

Chromoden®

GUIDE FOR PROFESSIONALS



INTRODUCTION

Healthy and beautiful hardwood floor can only be assured with high quality coatings products. For more than 60 years the well-known Chromoden brand has proven its quality in the range of installing and protecting of the hardwood floors and became the first choice for the professionals:

- A complete range of premium products, solvent and water-based type
- Modern and ecological systems compliant with the new legislation
- Strong technical support team and extensive know how

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CREATING BEAUTIFUL FLOOR.

1. SIX STEPS FOR CREATING A HIGH QUALITY PARQUET FLOOR

The final appearance of the coated hardwood floor depends largely on the quality of the surface preparation, available tools and conditions during application and curing.

The following six steps are recommended for successful parquet floor installation:

- 1. BONDING (GLUING) THE PARQUET**
- 2. SANDING**
- 3. FILLING UP THE JOINTS AND CRACKS**
- 4. APPLICATION OF THE BASE COAT • PRIMER**
- 5. GEL (ADDITIONAL SMOOTHING BEFORE THE LAST COAT)**
- 6. APPLICATION OF THE TOP COAT**



2. TOOLS AND EQUIPMENT

Basic equipment for installation, sanding and lacquering of parquet and wooden floors includes the following tools:

Spatula (trowel) for application of adhesive (serrated trowel), or smoothing trowel for primer, gel or top coats on parquet floors.



Temperature and moisture meter for measuring relative humidity, material moisture and air and surface temperature.



Vacuum cleaner for dust.



Tools for painting: rollers, telescopic handles, brushes, clean containers for paint, bags.



Protective equipment: clean parts, knee pads, protective masks (for dust and solvent) and glasses, ear protectors, gloves, etc.



Belt grinding machine for parquet.



Smaller grinding machine for edges and stairs.



Machine for milling, grinding and sanding floor surface while creating a minimum of dust, helping to maintain a healthier working environment.



Multifunctional machine (polishing machine) for the grinding of cement screed, (preparation before lacquering and interlayer sanding).



3. OPTIMAL WORKING CONDITIONS



Parquet flooring is generally installed on cement subfloors that must be dry. It is known that the moisture balance of subfloors is 1,5–1,7 % by weight (i.e. the moisture that is always present in the subfloor under normal conditions). Any excess moisture passes from the subfloor to the parquet boards, which then swell into a blister that can be up to 30 cm in height. The moisture content of a subfloor that is safe for the installation and lacquering of parquetry is 1,5–2 % by weight. The moisture content of subfloors and parquetry can be measured most simply with a portable electronic moisture gauge.

The expected drying time for cement subfloors under normal conditions is 10–15 days for every cm of thickness. During the installation of parquet floor, it is necessary to measure humidity of the subfloor. This humidity should not exceed 2 %.

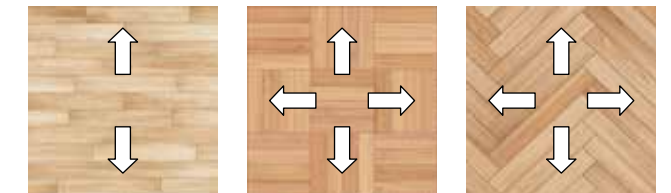
relative humidity of the air [%]	moisture of wood [%]	moisture of cement sub-floors [%]	risks
0	0,6	0,08	
5	1,6	0,23	
10	2,5	0,37	
15	3,7	0,50	
20	4,7	0,64	
25	5,4	0,80	
30	6,4	0,93	
35	7,1	1,12	
40	7,8	1,33	
45	8,6	1,53	
50	9,5	1,70	
55	10,3	1,87	
60	11,1	2,04	
65	12,0	2,26	
70	13,2	2,41	
75	14,2	2,58	
80	16,0	2,74	
85	18,0	2,87	
90	21,0	3,00	
95	24,0	3,13	
100	30,0	3,30	

Table.1 The relation between the relative humidity of the air and the moisture balance of wood flooring and cement subfloors

Cement subfloors, like wood, attempt to achieve a balance between their moisture content and the relative humidity of the air (see Table 1). This is due to the hygroscopic micro pores of cement stone (cement+water), with an average size of 0.5–5 nm (a nanometer is a millionth part of a millimeter). Thus, for example, the moisture balance of standard cement subfloors (sand+cement) in apartments with central heating is 1,5–1,7 % by weight. During the winter months, when temperatures are low and the relative air humidity is high, even when a newly constructed building is closed, a subfloor cannot be expected to dry rapidly. In the summer months when the average temperature is 20 °C and the relative humidity is 60 %, a subfloor that is 5 cm thick dries to below 3 % moisture in approximately 40 days. It should be remembered that the thickness of the subfloor and the initial amount of water used significantly affect drying time.

The method of installing parquet can affect the distribution of increased moisture from the substrate. Installing parquet in a herringbone or mosaic pattern distributes the swelling of the parquetry in all directions so absorption of the moisture is 50 % less than for vertically installed parquetry boards. Therefore, parquet boards that are laid end to end (as floorboards) must be glued using an adhesive with an artificial resin base, of which two-component adhesives based on epoxy resins without solvents or two-component adhesives based on polyurethane resins are the most commonly used.

SWELLING DIRECTIONS FOR VARIOUS PARQUET PATTERNS



The climatic conditions for each step in the installation of parquet must be respected, ie they must not deviate too much to prevent “woodworking”. The ideal working conditions for the stages are as follows:

BONDING-GLUING PARQUET

- ideal ambient temperature, parquet, substrate and adhesive is 18–25 °C, relative humidity 65–75 %, substrate humidity maximum 2 %, and parquet humidity 8–10 %

SANDING AND FILLING OF PARQUET

- if it is about newly laid hardwood or parquet flooring, it should be started only when the parquet is stabilized and all the other finishing works in the ambient have already been completed
- optimum conditions are at room temperature of 15–20 °C and relative humidity of 50–60 %

LACQUERING PARQUET

- the optimum atmospheric conditions during application are: air temperature of 18 to 22 °C and relative humidity of 60–65 %
- there must be no airflow or exposure to direct sunlight

4. INSTALATION OF PARQUET AND WOODEN FLOOR

In general, adhesives are substances used for gluing objects and their parts, i.e. for connecting them by means of an elastic film that adheres firmly to the attached surfaces and does not break under force that attempts to separate the surfaces.

For installation of wooden floors and parquet Chromos provides adhesives based on polyvinyl acetate aqueous dispersion, solvent based adhesives and solvent free polyurethane and epoxy-polyurethane adhesives.

For excellent bonding performance, it is very important to prepare a substrate that has to be dry, leveled, cleaned from dust and other impurities. The concrete substrate must be aged for at least 4–6 weeks, and the substrate humidity should be up to 2 %. The humidity of wood flooring and parquet can be up to 10 %. The adhesives are not recommend for use at temperatures lower than 12 °C.

A) LEVELING THE SURFACE OF THE CONCRETE SUBFLOOR

In practice, it is often necessary to level the surface of a poorly constructed subfloor or some other unevenness of substrates. For this purpose we recommend cement based leveling compounds, NIVELIT P-F and Nivelit P-G.

NIVELIT P-F is cement based compound for levelling and smoothing differences in thicknesses of concrete slabs and cementitious screeds from 0,5–5 mm. NIVELIT P-F is a good base for installation of wood floor and flooring made of ceramic, carpet, PVC etc. May be used as finish as well.

NIVELIT P-G is polymer-cement based compound for levelling and smoothing differences in thicknesses from 0,5–30 mm on concrete, cement and anhydrite substrates in residential and commercial premises with normal loads before laying floor coverings such as ceramic or stone tiles, wooden flooring, linoleum, PVC flooring, carpet etc. Nivelit P-G can also be used for levelling existing concrete pavement, terrazzo, ceramics and natural stone floors. It is suitable for using on floors with radiant heating. May be used as finish as well.

Installing parquetry is only possible when the moisture content of the subfloor is below 2 % (by weight).

B) CHROMODEN PRIMERS (IMPREGNATION) FOR ABSORBENT AND NON-POROUS SUBSTRATES

CHROMODEN PR 15

TYPE OF PRODUCT

1K primer based on synthetic resin.

APPLICATION AREA

For preparing cement-based surfaces prior to applying water based adhesives.

SURFACE PREPARATION

Substrate must be sound, clean, free from dust, oil and grease.

APPLICATION INSTRUCTIONS

Stir the Chromoden PR 15 just before use and dilute it with water in a 2:1 ratio.

Apply Chromoden PR 15 uniformly to the substrate using a roller or brush, ensuring that a continuous coat is achieved over the entire surface.

PROPERTIES

- for all absorbent substrates
- strengthens the substrate surface
- reduces substrate absorbency
- improves adhesion to the substrate
- blue colour – allows to control work phases

DRYING TIME

Ca. 2–4 hours, under the normal conditions.

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %. Do not apply Chromoden PR 15 at substrate temperature lower than 15 °C. Chromoden PR 15 is not recommended for external applications or where rising damp is present. Do not apply Chromoden PR 15 in such a quantity that it forms a surface film; diluted with water as appropriate for the absorption of the substrate.



SPREADING RATE

0,18–0,20 l/m²; diluted 2:1
(Chromoden PR 15 : water)

PACKAGING

Plastic drum à 5 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from freezing and direct sun light.

SHELF LIFE

24 months in originally closed and unopened packaging.

CHROMODEN PR 20

TYPE OF PRODUCT

1K primer based on synthetic resin.

APPLICATION AREA

- for preparing cementitious and anhydrite screeds prior to applying Chromoden S 130
- anti-dust consolidating primer prior to applying Chromoden 2K adhesives

SURFACE PREPARATION

Substrate must be sound, clean, free from dust, oil and grease.

APPLICATION INSTRUCTIONS

Stir the Chromoden PR 20 just before use.
Apply Chromoden PR 20 uniformly to the substrate using a roller or brush, ensuring that a continuous coat is achieved over the entire surface.

PROPERTIES

- for all absorbent substrates
- strengthens the substrate surface
- reduces substrate absorbency
- improves adhesion to the substrate

DRYING TIME

Ca. 2–3 hours, under the normal conditions (cementitious screeds) - before applications of Chromoden S 130 adhesive.
Ca. 12–24 hours, under the normal conditions (cementitious screeds) - before applications of Chromoden 2K adhesives.
Ca. 24 hours, under the normal conditions (anhydrite screeds).



GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %. Do not apply Chromoden PR 20 at substrate temperature lower than +15 °C.
Chromoden PR 20 is not recommended for external applications or where rising damp is present.

SPREADING RATE

0,18–0,20 l/m²

PACKAGING

Tin plate container à 4 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

12 months in originally closed and unopened packaging.

CHROMODEN PR 24

TYPE OF PRODUCT

1K primer based on isocyanat.

APPLICATION AREA

Anti-dust consolidating primer prior to applying Chromoden 2K adhesives.

SURFACE PREPARATION

Substrate must be sound, clean, free from dust, oil and grease.

APPLICATION INSTRUCTIONS

Stir the Chromoden PR 24 just before use.
Apply Chromoden PR 24 uniformly to the substrate using a roller or brush, ensuring that a continuous coat is achieved over the entire surface.

PROPERTIES

- for all absorbent substrates
- strengthens the substrate surface
- reduces substrate absorbency
- improves adhesion to the substrate

DRYING TIME

Ca. 4–8 hours, under the normal conditions.

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %. Do not apply Chromoden PR 24 at substrate temperature lower than +15 °C.
Chromoden PR 24 is not recommended for external applications or where rising damp is present.



SPREADING RATE

0,10–0,15 l/m²

PACKAGING

Tin plate container à 4 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

12 months in originally closed and unopened packaging.

CHROMODEN PR 25

TYPE OF PRODUCT

1K primer based on isocyanat.

APPLICATION AREA

For preparing absorbent and non-absorbent substrates prior to applying Chromoden 2K adhesives:

- moisture control – for cementitious substrates with a moisture content up to 3 % CM
- cementitious substrate consolidation
- anti-dust consolidating primer

SURFACE PREPARATION

Substrate must be sound, clean, free from dust, oil and grease.

APPLICATION INSTRUCTIONS

Stir the Chromoden PR 25 just before use. Moisture control – apply one coat of Chromoden PR 25 uniformly to the substrate using a roller, ensuring that a continuous coat is achieved over the entire surface. Apply second coat after the first coat is touch dry (gives a mirror like finish). Cementitious substrate consolidation – apply Chromoden PR 25 uniformly to the substrate using a roller or brush, ensuring that a continuous coat is achieved over the entire surface. Anti-dust consolidation – dilute Chromoden PR 25 with Chromoden R 14 in a 2: 1 ratio and apply it uniformly to the substrate.

PROPERTIES

- for all absorbent and non-absorbent substrates
- strengthens the substrate surface
- reduces substrate absorbency
- improves adhesion to the substrate

DRYING TIME

Ca. 4–8 hours, under the normal conditions.



GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %. Do not apply Chromoden PR 25 at substrate temperature lower than +15 °C.

Chromoden PR 25 is not recommended for external applications or where rising damp is present.

SPREADING RATE

0,10–0,15 l/m² – anti-dust consolidation
0,18–0,23 l/m² – substrate consolidation
0,18–0,23 l/m²/ coat – moisture control

PACKAGING

Tin plate container à 4 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

12 months in originally closed and unopened packaging.

CHROMODEN PR 35

TYPE OF PRODUCT

Two-component, solvent free primer based on an epoxy resin.

APPLICATION AREA

Moisture control – for cementitious substrates with a moisture content up to 4 % CM. Substrate consolidation – on concrete, cement and anhydrite screeds and refurbished substrates. Adhesion promotion – for broadcast mastic asphalt and old adhesive residues.

SURFACE PREPARATION

Substrate must be sound, clean, free from dust, oil and grease.

APPLICATION INSTRUCTIONS

Chromoden PR 35 (component A and component B) should be well stirred before use. Apply Chromoden PR 35 uniformly to the substrate using a roller (medium pile 12–14 mm), ensuring that a continuous coat is achieved over the entire surface (gives a mirror like finish). A waiting time of minimum 10 hours and maximum 36 hours must be observed between coats of Chromoden PR 35. In order to ensure a good adhesion between the adhesive and the primer, use quartz sand.

PROPERTIES

- for all absorbent and non-absorbent substrates
- strengthens the substrate surface
- reduces substrate absorbency
- improves adhesion to the substrate

CURING SPEED

Ca. 10–12 hours under the normal conditions.

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %. Do not apply Chromoden PR 35 at substrate temperature lower than +15 °C. Chromoden PR 35 is not recommended for external applications or where rising damp is present.

SPREADING RATE

0,40–0,60 kg/m² - dependent on the absorbency of the substrate
0,25–0,35 kg/m² - broadcast mastic asphalt

PACKAGING

Tin plate container à 6,5 kg – component A
Tin plate container à 3,5 kg – component B

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

24 months in originally closed and unopened packaging.

C) ADHESIVES FOR PARQUET

CHROMODEN D 110

TYPE OF PRODUCT

Water-based dispersion of polyvinyl-acetate, fillers and additives.

APPLICATION AREA

It is used to glue conventional strip parquet (weight<5 cm) stripes to concrete, wooden and similar absorbent substrates.

SURFACE PREPARATION

Surfaces must be levelled, smooth and well cleaned from dust, oil and grease. Concrete grounds must be minimum 4–6 weeks old and the moisture may be maximum 2 %. Prime unprepared cement screeds with CHROMODEN PR 15.

APPLICATION INSTRUCTIONS

The adhesive should be well stirred before use. Apply the adhesive evenly to the subfloor using B3 or B5 notched trowel. Do not walk on parquet for 24 hours after installation. Sanding and polishing can be carried out after minimum of 7 days, depending on the weather conditions.

PROPERTIES

- for conventional strip parquet of smaller dimensions (width <5 cm)
- for concrete, cement, wood and similar absorbent substrates
- ready to use, odorless
- environmentally friendly

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %.

Do not apply Chromoden D 110 at substrate temperature lower than +15 °C.

Do not use on screeds where rising damp is present.

Do not use where walls and ceilings are not thoroughly dry.

Do not use if the screed is not dry.

Do not use when the moisture content of the wood is higher than that recommended by the wood manufacturer.

Do not use if the wood does not have a moisture content comparable to that of its surroundings.



SPREADING RATE

0,8–1,2 kg/m², depending on the type of substrate and using trowel

PACKAGING

Plastic container à 5 and 25 kg

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from freezing and direct sun light.

SHELF LIFE

24 months in originally closed and unopened packaging.

CHROMODEN D 111

TYPE OF PRODUCT

Water-based dispersion of polyvinyl-acetate, fillers and additives.

APPLICATION AREA

It is used to glue lamellar and conventional strip parquet (weight<5 cm) stripes to concrete, wooden and similar absorbent substrates.

SURFACE PREPARATION

Surfaces must be levelled, smooth and well cleaned from dust, oil and grease. Concrete grounds must be minimum 4–6 weeks old and the moisture may be maximum 2 %. Prime unprepared cement screeds with CHROMODEN PR 15.

APPLICATION INSTRUCTIONS

The adhesive should be well stirred before use. Apply the adhesive evenly to the subfloor using B3 or B5 notched trowel. Do not walk on parquet for 24 hours after installation. Sanding and polishing can be carried out after minimum of 7 days, depending on the weather conditions.

PROPERTIES

- for lamellar and conventional strip parquet of smaller dimensions (width <5 cm)
- for concrete, cement, wood and similar absorbent substrates
- ready to use, odorless
- environmentally friendly

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %.

Do not apply Chromoden D 111 at substrate temperature lower than 15 °C.

Do not use on screeds where rising damp is present.

Do not use where walls and ceilings are not thoroughly dry.

Do not use if the screed is not dry.

Do not use when the moisture content of the wood is higher than that recommended by the wood manufacturer.

Do not use if the wood does not have a moisture content comparable to that of its surroundings.



SPREADING RATE

0,8–1,2 kg/m², depending on the type of substrate and using trowel

PACKAGING

Plastic container à 5 and 25 kg

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from freezing and direct sun light.

SHELF LIFE

24 months in originally closed and unopened packaging.

CHROMODEN S 130

TYPE OF PRODUCT

Solvent based adhesive based on synthetic resin, fillers and additives.

APPLICATION AREA

It is used to glue strip and lamellar parquet, mosaic wood flooring, on-edge wood flooring, multi-ply/ pre-finished wood flooring and exotic timbers (up to 500 mm) on absorbent subfloors.

SURFACE PREPARATION

Surfaces must be levelled, smooth and well cleaned from dust, oil and grease. Concrete grounds must be minimum 4–6 weeks old and the moisture may be maximum 2 %. Prime unprepared cement screeds with CHROMODEN PR 20.

APPLICATION INSTRUCTIONS

The adhesive should be well stirred before use. Apply the adhesive evenly to the subfloor using B5 notched trowel.

Do not walk on parquet for 48 hours after installation.

Sanding and polishing can be carried out after minimum of 7 days, depending on the weather conditions.

PROPERTIES

- for concrete, cement, wood and similar absorbent substrates
- open time – 10 min
- ready to use
- water free adhesive

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %.

Do not apply Chromoden S 130 at substrate temperature lower than +15 °C.

Do not use on screeds where rising damp is present.

Do not use where walls and ceilings are not thoroughly dry.

Do not use if the screed is not dry.

Do not use when the moisture content of the wood is higher than that recommended by the wood manufacturer.



Do not use if the wood does not have a moisture content comparable to that of its surroundings.

SPREADING RATE

0,8–1,2 kg/m², depending on the type of substrate and using trowel

PACKAGING

Tin plate container à 14 kg

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

12 months in originally closed and unopened packaging.

CHROMODEN E-PU 280

TYPE OF PRODUCT

Two-component epoxy-polyurethane adhesive.

APPLICATION AREA

It is used to glue strip and 10 mm solid wood parquet, laminated parquet laid on edge, prefabricated, panel and lamellar parquet on absorbent and non-absorbent subfloors.

SURFACE PREPARATION

Surfaces must be levelled, smooth and well cleaned from dust, oil and grease.

Concrete grounds must be minimum 4–6 weeks old and the moisture may be maximum 2 %.

Prime unprepared cement screeds with CHROMODEN PR 25.

APPLICATION INSTRUCTIONS

The adhesive (component A and component B) should be well stirred before use.

Apply the adhesive evenly to the subfloor using B3 or B11 notched trowel.

Do not walk on parquet for 24 hours after installation. Sanding and polishing can be carried out after minimum of 3 days, depending on the weather conditions.

PROPERTIES

- does not contain water
- the working time of the mixture is 120 minutes
- open time – 30 min
- used for gluing all types of parquet (dimensions and types of wood)
- can be used on absorbent (concrete, cement screed, wood, etc.) and non-absorbent substrates (stone, ceramics, metal, etc.)

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %.

Do not apply Chromoden E-PU 280 at substrate temperature lower than +15 °C.

Do not use on screeds where rising damp is present.



Do not use where walls and ceilings are not thoroughly dry.

Do not use if the screed is not dry.

Do not use when the moisture content of the wood is higher than that recommended by the wood manufacturer.

Do not use if the wood does not have a moisture content comparable to that of its surroundings.

SPREADING RATE

0,8–1,3 kg/m², depending on the type of substrate and using trowel

PACKAGING

Set: 9,75 kg

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

18 months in originally closed and unopened packaging

CHROMODEN PU 259

TYPE OF PRODUCT

Two-component polyurethane adhesive.

APPLICATION AREA

It is used to glue strip and 10 mm solid wood parquet, laminated parquet laid on edge, prefabricated, panel and lamellar parquet on absorbent and non-absorbent subfloors. Suitable for underfloor heating.

SURFACE PREPARATION

Surfaces must be levelled, smooth and well cleaned from dust, oil and grease. Concrete grounds must be minimum 4–6 weeks old and the moisture may be maximum 2 %. Prime unprepared cement screeds with CHROMODEN PR 25.

APPLICATION INSTRUCTIONS

The adhesive (component A and component B) should be well stirred before use. Apply the adhesive evenly to the subfloor using B3 or B11 notched trowel. Do not walk on parquet for 24 hours after installation. Sanding and polishing can be carried out after minimum of 3 days, depending on the weather conditions.

PROPERTIES

- does not contain water
- the working time of the mixture is 75 minutes
- open time – 30 min
- used for gluing all types of parquet (dimensions and types of wood)
- can be used on absorbent (concrete, cement screed, wood, etc.) and non-absorbent substrates (stone, ceramics, metal, etc.)

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and +25 °C and a relative humidity below 65 %. Do not apply Chromoden PU 259 at substrate temperature lower than +15 °C. Do not use on screeds where rising damp is present.



Do not use where walls and ceilings are not thoroughly dry. Do not use if the screed is not dry. Do not use when the moisture content of the wood is higher than that recommended by the wood manufacturer. Do not use if the wood does not have a moisture content comparable to that of its surroundings.

SPREADING RATE

0,8–1,3 kg/m², depending on the type of substrate and using trowel

PACKAGING

COMPONENT A:
Plastic container à 13 kg and 9 kg
COMPONENT B:
Tin plate container à 1,3 kg and 0,9 kg

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

18 months in originally closed and unopened packaging.

CHROMODEN PU 260

TYPE OF PRODUCT

Two-component polyurethane adhesive.

APPLICATION AREA

It is used to glue strip and 10 mm solid wood parquet, laminated parquet laid on edge, prefabricated, panel and lamellar parquet on absorbent and non-absorbent subfloors. Suitable for underfloor heating.

SURFACE PREPARATION

Surfaces must be levelled, smooth and well cleaned from dust, oil and grease. Concrete grounds must be minimum 4–6 weeks old and the moisture may be maximum 2 %. Prime unprepared cement screeds with CHROMODEN PR 25.

APPLICATION INSTRUCTIONS

The adhesive (component A and component B) should be well stirred before use. Apply the adhesive evenly to the subfloor using B3 or B11 notched trowel. Do not walk on parquet for 4 hours after installation. Sanding and polishing can be carried out after minimum of 24 hours, depending on the weather conditions.

PROPERTIES

- does not contain water or solvent
- the working time of the mixture is 45–60 minutes
- open time – 30 min
- used for gluing all types of parquet (dimensions and types of wood)
- can be used on absorbent (concrete, cement screed, wood, etc.) and non-absorbent substrates (stone, ceramics, metal, etc.)

GENERAL REQUIREMENTS

Best applied at the temperature between +18 °C and + 25 °C and a relative humidity below 65 %. Do not apply Chromoden PU 260 at substrate temperature lower than + 15 °C. Do not use on screeds where rising damp is present.



Do not use where walls and ceilings are not thoroughly dry. Do not use if the screed is not dry. Do not use when the moisture content of the wood is higher than that recommended by the wood manufacturer. Do not use if the wood does not have a moisture content comparable to that of its surroundings.

SPREADING RATE

0,8–1,3 kg/m², depending on the type of substrate and using trowel

PACKAGING

Set: 11,5 kg

STORAGE

In dry and ventilated place at a temperature of 5 °C to 30 °C. Keep from direct sun light.

SHELF LIFE

18 months in originally closed and unopened packaging.

5. SANDING PROCEDURE



The sanding of parquet is performed with a belt sander using sandpaper. Generally, parquet is sanded in three stages using No. 40, No. 60 (80) and No. 100 (150) sandpaper. When sanding, it is necessary to pay attention to the sanding direction and make sure that the parquet surface is even.

Deviation from grinding order (skipping in granulation of abrasive paper) can be the cause of scratches on wood that remain on the floor as finer abrasive paper will not be able to remove deeper traces of abrasion than the previous grinding paper have done.

The following figure shows the most commonly used paper finishes in the sanding process:

24 – 36 – 40 – 60 – 80 – 100 – 120 – 150



It is important to make sure that the sanding machine is adjusted and the sanding paper must be sharp and unused. Heated grinding paper can seal

the wood and leave sanding marks (burnt wood). A floor sanded in this manner will reflect light evenly, which significantly affects the final appearance of lacquered surfaces, particularly those with mat or semi-mat lacquer.

SANDING ADVICES:

Follow the order of sanding procedure without skipping granulations

? WHY – fill the joints, cracks and unevenness to ensure effective removal of the marks after initial sanding

? WHY – vacuum is obligatory after each sanding procedure

INITIAL (COARSE) SANDING

Sand paper No. 24 for removing hard varnishes or coatings where parquet is uneven (in case floor damage is minimal, finer sanding paper could be used).

Sand paper No. 36–40 for removing residues of old varnishes, impurities or bleaches and to level out large irregularities on parquets (common occurrence in mosaic parquet).

Sand paper No. 40 for leveling the hardwood or to remove traces from rougher papers.



Gradually sanding of diagonals from left to right side.

INTERMEDIATE SANDING

Sand paper No. 60–80 for removing deep traces that occurred after initial sanding.

After this stage the smoothing of the surface follows (filling the joints and gaps with a mixture made of fine wood dust and filling solution).

FINE & FINAL SANDING

Machines that are recommended for final sanding:

- belt sanding machine for parquet
- polishing machine
- Trio sender

Sand paper No. 100–120 or 150 and the floor should be sanded twice, finishing in direction of the light source.

POLISHING

If very smooth surface is requested the parquet should be polished.

For polishing sand papers or nets No. 60–80–100 (depending on the type of machine used and the desired level of surface smoothness) are used.



SANDING EDGES

Use the machines for sanding edges, stairs and hard to reach areas (e.g. under a radiator). It is most important that the edge sanding be carried out with the same granulation of the sanding paper as the rest of the surface so that the surface is uniform.

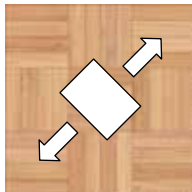
The same sanding regime must be applied to the majority of the floor and the edges, ie the corners.

If that is not the case the result will be the difference in color of parquet throughout the area and on edges.

SANDING PROCEDURE

The sanding (grinding) process depends on the method of parquet laying. The following is the recommendation for the most common types of parquet flooring (mosaic or lamellar parquet, herringbone, and longitudinal or strip flooring).

MOZAIC PARQUET



INITIAL SANDING

Sanding direction: all endings should be finished on 45° diagonally to avoid different thicknesses and recesses on the floor.
Grit sandpaper: No. 36–40.

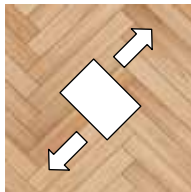
INTERMEDIATE SANDING

Sanding direction: diagonally at an angle of 45°.
Grit sandpaper: No. 60–80.

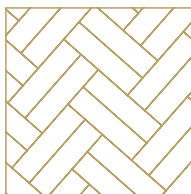
FINE & FINAL SANDING

Sanding direction: parallel to the walls (in the direction of the light source window). Grit sandpaper: No. 100–120–150.

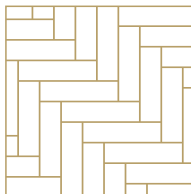
HERRINGBONE PARQUET



single herring bone



dual herring bone



diagonal herring bone

INITIAL SANDING

Sanding direction: diagonally at an angle of 45°
Grit sandpaper: No. 36–40

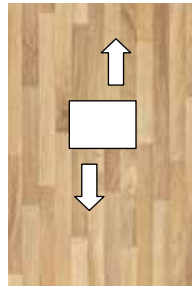
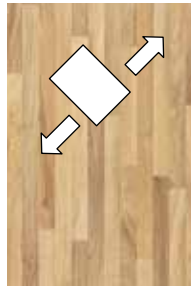
INTERMEDIATE SANDING

Sanding direction: diagonally at an angle of 45°
Grit sandpaper: No. 60–80

FINE & FINAL SANDING

Sanding direction: diagonally at an angle of 45° (in the direction of the light source window).
Grit sandpaper: No. 100–120–150

STRIP PARQUET AND SPORT HALLS



INITIAL SANDING

Sanding direction: diagonally at an angle of 45°
Grit sandpaper: No. 36–40

INTERMEDIATE SANDING:

Sanding direction: parallel and transversely to the tree structure.
Grit sandpaper: No. 60–80

FINE & FINAL SANDING

Sanding direction: at the direction of the light source window.
Grit sandpaper: No. 100–120–150



6. NEW AND OLD PARQUET – SANDING PROCEDURE

NEW PARQUET

Surface must be dried and free from aged coatings, grease, dust and other impurities. Remove roughness from the surface by sandpaper grade No. 120–150. After sanding, remove all dust with a vacuum cleaner. Surfaces must not be bleached with hydrogen peroxide or other chemical.

Grit sandpaper for application of solvent based system:

- beltgrinding machine: No. 120–150
- polishing machine: No. 80–100
- trio: No. 60–80–100

Grit sandpaper for application of Chromoden transparent for colouring parquet:

- beltgrinding machine: No. 150 (lubrication-wiping, application of colored varnish)
- polishing machine: No. 80 (application of colored varnish), No. 100 (lubrication-wiping)
- trio: No. 60–80–100 (lubrication-wiping, application of colored varnish)

Grit sandpaper for application of Chromoden Aqua products (waterbased system):

- beltgrinding machine: No. 150
- polishing machine: No. 80–100
- trio: No. 60–80–100

RENOVATION OF OLD PARQUET

If there is suspicion that parquet has been treated with various cleaning and maintenance agents the best is to first degrease and clean the parquet with mild solution of detergent in water, and then the flooring should be sanded to healthy wood (remove any remaining lacquer).

7. SANDING OF PARQUET AND FILLING OF SPACES BETWEEN BOARDS



Filling of joint and spaces between the boards should be done after the second sanding (sandpaper No. 80) using a filler that must be mixed with fine wooden dust.

Chromoden filling are products with excellent sandability, fast drying keeping the colour of sealed joints unchanged. The filling procedure is different when working with Chromoden aqua filling solution where filling joint and spaces must be after final sanding and before polishing of parquet.

WHAT IS REQUIRED FOR FILLING?

- Chromoden filling solution or Chromoden aqua filling solution
- dust from fine sanding, the best one is after polishing because it is not fibrous form
- spatula (trovel)

DESCRIPTION OF THE PROCEDURE

1. It is necessary to prepare a mixture by adding wooden dust to filling solutions.
2. The mixture should be thoroughly mixed until homogenous and then applied using a smooth spatula to fill joints and cracks. If the floor has to many cracks, the filling procedure should be repeated (first thicker then thinner mixture for filling).
3. Drying time is 30–60 minutes.
4. After drying, sanding should be continued with sand paper No. 80–100 or polishing if the filling is performed with Chromoden aqua filling solution.

CHROMODEN FILLING SOLUTION

One-component colourless filling solution ready to mix with wooden dust for filling and giving a smoothing finish to parquet based on high quality modify resins. Filling-binding covering small joints, holes, cracks resulting in an excellent filling capacity and good visual effect. It can be recoated with any of CHROMODEN finishes.



FEATURES

- quickly drying (drying after 30–45 min)
- high-elastic
- excellent filling capacity

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Surfaces must not be bleached with hydrogen peroxide or other chemical.

INSTRUCTIONS FOR USE

Stir well before use. No dilution is needed.

APPLICATION

After having sanding the wood floor with sandpaper No. 40 or 80, apply with a trowel (smooth spatula) CHROMODEN FILLING SOLUTION mixed with the fine wooden dust (it is best to use fine dust from previous sanding done with sand paper No. 100). After finishing the smoothing, sand with sandpaper No. 80 and proceed with the following steps of sandpapering (No. 100–120). If the floor has to many cracks, you must smooth it also after sandpaper No. 100.

- by spatula
- overcoating interval: min. 45–60 minutes

DRYING

- dust dry after: 10 minutes
- touch dry after: 20 minutes

SPREADING RATE

Approx. 0,05–0,12 kg/m² (8–15m²/lit) for one coat (depending on size of joint and gaps)

PACKAGING

CHROMODEN FILLING SOLUTION: tin plate container á 1,4 and 10 l.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

24 months in originally closed and unopened packaging.

8. CLEANING



VACUUMING

After each sanding step (initial, intermediate, final), and also after polishing, parquet must be vacuumed.

- always use an empty dust bag to increase the suction efficiency
- after sanding, it is necessary to leave all dust to settle before vacuuming
- it is also necessary to vacuuming when interlayer sanding
- the recommended suction direction is from the door to the end of the room

CLEAN WITH A CLOTH

For an excellent appearance, after vacuuming away the sandust it is necessary to wipe the area with a wet artificial leather cloth (the type used for cars). Cleaning should be carried out systematically from one end of the room to the other in separate movements so that the dust is not transferred, and the cloth must be cleaned frequently. Non-treated parquet absorbs much more than polished, and cleaning with wet cloths can absorb a considerable amount of moisture if the cloth is too wet (the cloth must be just moistened).



9. APPLICATION OF CHROMODEN SOLVENT BASED SYSTEMS

After the final step in surface preparation, application of the coatings follows. Usually, the first layer in the system is a primer after which the application of 2 or 3 layers of top coat follows.

Selecting the proper primer is very important as a grounds for sufficient quality as well as the final appearance of the system.

All Chromoden solvent based parquet lacquers are 2K products which provide/ensure the coating films with excellent durability and esthetic properties. We are primarily referring to the excellent gloss produced by CHROMODEN 2K PU PARQUET LACQUER GLOSS

(100 % gloss), the attractive matt finish achieved with CHROMODEN PARQUET LACQUER MATT, both of which have excellent mechanical properties (resistance to wear, durability etc.). Our solution for even more demanding surfaces such as public and business places are easy to maintain satin or matt finishes.

The range of Chromoden solvent based offers a large selection of products for protection and decoration of wooden floors and parquetry which can meet all requirements from keeping the natural color of the wood up to special requirements for anti-slip floor in sport halls.



CHROMODEN IMPREGNATION

Fast drying one component clear primer/adhesion promoter based on special high quality modified resins. For sealing of old floors after sanding and before application of Chromoden Parquet Lacquer systems. Seals in contaminants which may penetrated from the timber and could otherwise affect the adhesion of the parquet lacquers.

FEATURES

- fast drying
- highly-elastic
- excellent filling capacity
- no need for sanding
- enables the entire system to be applied in two days
- preserves the natural colour of the wood
- can be used as an insulating layer when lacquering the exotic types of parquet

SURFACE REQUIREMENTS

New floors:

The surface must be clean, dry and free from any contamination. Pre-sand using the sequence of sandpapers up to No. 150 (or No. 120 for a single-plate polishing machine and No. 80 – No. 100 if Trio sander is used). After the sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

Renovation of old floors:

Sand the floor back to bare timber, removing all oil, wax and/or existing finish and then treat as a new floor.

APPLICATION

Stir well before use. Apply by brush, special roller or trowel (spatula) in one coat. Dry coat must not be sanded. No dilution is needed.

Overcoating interval min. 45 minutes

SPREADING RATE

0,06–0,12 l/m² (8–15 m²/l) depending on application method.

PACKAGING

Tin-plate container á 1 l, 4 l and 10 l.



STORAGE

In dry and well ventilated area, at 5 °C to 25 °C.

SHELF LIFE:

24 months in originally closed and unopened packaging.

NOTE

Chromoden impregnation can be applied only on clean and dry wood surface in one or two coats. Moisture contents in the parquetry must be between 8 and 10 %. Application must be done at normal room temperature (18–22 °C). Relative humidity in air during application must be between 65 and 75 %. The temperature of parquet should not be less than 12 °C. All equipment and tools used for application must be cleaned immediately after use with Chromoden cleaner. Before application on exotic wood surfaces please contact our customer support representatives. After the use, close tightly to prevent contact with humidity in the air.

PRACTICAL ADVICES

- If using the trowel, application should be done in two layers, using slow movements to achieve uniformed thickness).
- Application on absorbing type of wood (for example, beech or thermo treated woods) should be done by roller.
- The pouring of the product directly on the parquet during application should not be done.
- The dry impregnation layer should be quickly overcoated as soon as possible, latest within 24 hours.
- Sanding is not allowed (dark spots may appear on the parquet).

CHROMODEN PARQUET GEL

One-component colourless gel based on high quality modify resins. For covering small joints, holes, cracks resulting in an excellent filling capacity and good visual effect. The gel-like consistency of this material produces closed-cell surfaces and the sidebonding effect is reduced due to low penetration in to parquet. It can be recoated with any of CHROMODEN solvent-based finishes.

FEATURES

- fast drying
- highly-elastic
- excellent filling capacity
- no need for sanding
- multipurpose (joint sealing, base coat, intermediate coating)
- preserves the natural colour of the wood

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Remove roughness from the surface by sandpaper grade No. 150. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

INSTRUCTIONS FOR USE

Stir well before use. The gel must be carefully applied in one or two coats. No dilution is needed.

APPLICATION

It can be applied directly on parquet as based coat or on parquet that is already overcoated with two layers CHROMODEN 2K PU parquet lacquers as intermediate coat before applying the last layer.

- by spatula
- overcoating interval: min. 45 minutes
- no need for sanding

DRYING

- dust dry after: 10 minutes
- touch dry after: 60 minutes

SPREADING RATE

Approx. 0,04–0,06 kg/m² for one coat

PACKAGING

CHROMODEN PARQUET GEL: tin plate container á 1,5 l.



STORAGE

In dry and good ventilated space at temperature from 5 °C to 25 °C.

SHELF LIFE

12 months in originally closed and unopened packaging.

NOTE

CHROMODEN PARQUET GEL can be applied only on clean and dry wood surface or on CHROMODEN IMPREGNATION, or on parquet that is already overcoated with two coats of CHROMODEN 2K PU PARQUET LACQUERS GLOSS, SATIN, MATT and EXTRA MATT.

Moisture contents in the parquetry must be between 8 and 10 %. Application must be done in room conditions (18–22 °C). Relative humidity in the air during application must be between 40 and 75 %. All equipment and tools used for application must be cleaned immediately after use with CHROMODEN THINNER or CLEANING SOLVENT. Before application on exotic wood surfaces please contact customer support representatives. After the use, close tightly to prevent contact with humidity in the air.

PRACTICAL ADVICES

- If using the trowel, application should be done in two layers, using slow movements to achieve uniformed thickness.
- Application on absorbing type of wood (for example, beech or thermo treated woods) should be done by roller.
- The pouring of the product directly on the parquet during application should not be done.
- The dry layer should be quickly overcoated latest within 24 hours.
- Sanding is not allowed (dark spots may appear on the parquet).

CHROMODEN 2K PU PARQUET PRIMER

Two-component (base and hardener) polyurethane colourless quick drying primer for lacquering of parquet in CHROMODEN 2K PU and CHROMODEN AQUA 2K PU polyurethane systems.

FEATURES

- excellent sealer for wood porosity
- hard resistant coating with excellent sandability

MIXING RATIO

Base to hardener = 1 : 1 (vol.)

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Remove roughness from the surface by sandpaper grade 150. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

INSTRUCTIONS FOR USE

Stir well before use. The components should be mixed together in clean glass, plastic or undamaged enamel container 15 minutes before application. Pot life: max. 2 hours.

APPLICATION

By special palette knife (spatula); no dilution needed.

By brush and special roller. Sand after 2–4 hours (sand paper No. 150); after sanding, remove all dust with a vacuum cleaner.

SPREADING RATE

By palette knife: 0,04–0,06 l/m² (16–25 m²/l)

By brush/roller: 0,08–0,10 l/m² (10–12 m²/l)

PACKAGING

CHROMODEN 2K PU PARQUET PRIMER: tin plate container á 1, 4 and 10 l.

CHROMODEN HARDENER: tin plate container á 1, 4 and 10 l.

STORAGE

In dry and good ventilated space at temperatures from 5 °C to 25 °C.

SHELF LIFE

24 months in originally closed and unopened packaging.

NOTE

CHROMODEN 2K PU PARQUET PRIMER can be applied only on clean and dry wood surfaces or on CHROMODEN IMPREGNATION (no more of one coat). Moisture contents in the parquetry must be between 8 and 10 %. Application must be done in room condition (18–22 °C). Relative humidity in the air during application must be between 65 and 75 %. All equipment and tools used for application must be cleaned immediately after use with CHROMODEN THINNER or CLEANING SOLVENT. Before application on exotic wood surfaces please contact customer support representatives. After use, close tightly both the lacquer and hardener to prevent contact with humidity in the air.

PRACTICAL ADVICES

- If using the trowel, application should be done in two layers, using slow movements to achieve uniformed thickness.

CHROMODEN 2K PU PARQUET LACQUERS

Two-component polyurethane (base and hardener) colourless lacquer for high-quality lacquering of parquetry and other wood surfaces to achieve a protection in top quality.

FEATURES

- available in 4 gloss levels
100 % (gloss), 50–60 % (satin), 30–35 % (matt), <10 % (extra matt)
- excellent durability and abrasion resistant
- tough and hard resistant coating
- easy to clean and resistant to splash of mild chemical

MIXING RATIO

Base to hardener = 1 : 1 (vol.)

DILUTION

Under conditions of high temperature and low relative humidity or larger rooms, in the last layer add 5–10 % Chromoden retardants.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Remove roughness from the surface by sandpaper grade 150. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

INSTRUCTIONS FOR USE

Stir well before use. The components should be mixed together in clean glass, plastic or undamaged enamel container 15 minutes before application. Pot life: min 2 hours.

APPLICATION

- by brush, roller or air spray
- overcoating interval: min. 16–24 hours
- first and second coat must be sanded with sand paper No. 150 and the dust need to be removed with a vacuum cleaner

DRYING

- dust dry after: 1–2 hours
- touch dry after: 16–24 hours
- surfaces use after: min. 48 hours

SPREADING RATE

Approx. 0,1 l/m² mixed product for one coat (approx. 10 m²/l).



PACKAGING

CHROMODEN 2K PU PARQUET LACQUER GLOSS - Set for 1 m², 10 m² and 20 m² and: tin plate containers á 1, 4, 10 and 20 l.

CHROMODEN 2K PU PARQUET LACQUER SATIN AND MATT - Set for 15 m² and tin plate containers á 1, 4 and 10 l.

STORAGE

In dry and good ventilated space at temperatures from 5 °C to 25 °C.

SHELF LIFE

24 months in originally closed and unopened packaging.

NOTE

CHROMODEN 2K PU PARQUET LACQUERS can be applied only on clean and dry wood surface or on other CHROMODEN as first coat with additional purpose, CHROMODEN IMPREGNATION -surface uniformity or CHROMODEN 2K PU PARQUET PRIMER -surface filling. Moisture contents in the parquet must be between 8 and 10 %. Application must be done in room conditions (18–22 °C). Relative humidity in the air during application must be between 65 and 75 %. All equipment and tools used for application must be cleaned immediately after use with CHROMODEN THINNER or CLEANING SOLVENT. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly both the lacquer and hardener to prevent contact with humidity in the air.

PRACTICAL ADVICES

- The lacquer should be tempered to the room temperature.
- It is extremely important to control the application conditions (18–22 °C temperature, relative humidity 65–75 % and parquet moisture 8–10 %).
- Do not applied on nitro or alkyd based lacquer or primer, nor the materials from other manufacturers.
- Recommend "depilatory" of roller and the use of plastic bags when lacquering.
- All equipment and tools used for application must be cleaned immediately after use with Chromoden Thinner or Cleaning Solvent.

CHROMODEN TRANSPARENT

One-component polyurethane transparent coloured varnish pigmented with high quality lightfast pigments for transparent colouring of parquetry and other wood surfaces before application of CHROMODEN/CHROMODEN AQUA parquetry lacquers.

SURFACE REQUIREMENTS

Surface must be dry and free from grease, dust and other impurities and any aged lacquer if exist. Remove roughness from the surface and finish with sandpaper grade No.150. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

The application can be in two different ways:

Lacquering and wiping

Coloured lacquer could be applicate by brush and right after it should be wiped away with dry cotton cloth leaving no fluff on the surface, in order to remove the excess varnish. Wet coloured varnish must be wiped away but usual procedure is that in neighborhood overlapping areas varnish coats must be applicate wet on wet and then wiped away. In that way the surface (parquet) have equalize coloration. But if CHROMODEN TRANSPARENT dry coat is overlapped with wet coat the unequally colouring can appear. Dry film does not need to be sanded. Stir well before use. No thinner required.

Coloured lacquer

We recommend addition of 10 % of Chromoden transparent in the mixture of Chromoden 2K PU parquet lacquer GLOSS. Lacquering is performed by rollers with short hair (Velour) and it is necessary to apply in thinner layers and apply the technique of "ironing". The coloured coat dries 24 hours, and may be polished with fine sandpaper No. 220, or if the machines are used for polishing then use net 220 or 280 or only use brown pad and remove dust from polishing and sanding. Apply two or three layers of Chromoden 2K PU lacquers or Chromoden aqua 2K lacquers.



DRYING

24–48 hours under normal conditions.

SPREADING RATE

Approx. 12 m²/ l (approx. 0,08 l/m²).

PACKAGING

CHROMODEN TRANSPARENT: á 1L.

STORAGE

In dry and good ventilated space at temperatures from +5 °C to +25 °C.

SHELF LIFE

60 months in originally closed and unopened packaging.

NOTE

All equipment and tools used for application must be cleaned immediately after use with CHROMODEN THINNER or CLEANING SOLVENT. After use, close tightly both the lacquer and hardener to prevent contact with humidity in the air.

PRACTICAL ADVICES

- Colouring of the absorbing types of wood (beech, thermotreated wooden floor etc.) should be avoided because spots are lagging behind.
- Apply transparent by brush and then excess of varnish must be wiped away and overlapped spots must be performed "wet on wet".
- Colored (pigmented) lacquer can also be applied directly to parquet as first coat.
- The dry layer of colored (pigmented) lacquer must not be sanded (only polishing by pad (felt).

10. RECOMMENDED CHROMODEN SOLVENT BASED SYSTEMS

CLASSIC SYSTEM

CHROMODEN 2K PU LACQUER
3X

SYSTEM WITH 2K PRIMER

CHROMODEN 2K PU PRIMER
1X (ROLLER)

CHROMODEN 2K PU PRIMER
2X (TROWEL)

CHROMODEN 2K PU LACQUER
2X

FAST SYSTEM WITH NATURAL COLOUR OF WOOD

CHROMODEN IMPREGNATION
1X (ROLLER)

CHROMODEN 2K PU LACQUER
2X

FAST SYSTEM WITH GEL

CHROMODEN IMPREGNATION
2X (TROWEL)

CHROMODEN PARQUET GEL
2X (TROWEL)

CHROMODEN 2K PU LACQUER
1X

11. LACQUERING WITH WATER BASED CHROMODEN AQUA SYSTEMS

The Chromoden aqua line follows an ecological trend in the development of parquet lacquers.

These systems feature exceptional mechanical properties and a beautiful natural appearance of wood as they further emphasize their pores.

Compared to the classic Chromoden systems, they do not lag behind in mechanical properties, but the optical impression of the appearance of the parquet

is different (more natural color and pronounced pores, or the structure of wood).

The general advantages of the Chromoden aqua line should be sought in the fact that these are ecological products that allow work without unpleasant odors and washing tools with water.

CHROMODEN AQUA SYSTEMS

CHROMODEN AQUA 1K AC

for low to medium traffic

CHROMODEN AQUA 1K PU

for medium to high traffic

CHROMODEN AQUA 2K

for high traffic

SANDING AND FILLING OF SPACES BETWEEN PARQUETRY BOARDS

Filling of joint and spaces between the boards should be filled after the second sanding (sandpaper No. 80) using a filler that can be prepared in several ways.

Chromoden products for filling are products with excellent sandability, fast drying and keep sealed spaces light colour. The filling procedure is different when working with Chromoden aqua filling solution where filling joint and spaces must be done after the final sanding and before polishing of parquet.

WHAT IS REQUIRED FOR FILLING?

- Chromoden filling solution or Chromoden aqua filling solution
- dust from fine sanding (the best one is after polishing because it is not fibrous form)
- spatula (trowel)

DESCRIPTION OF THE PROCEDURE

1. Preparation of the mixture by adding wooden dust to filling solutions.
2. The mixture should be thoroughly mixed until homogenous and then applied using a smooth spatula to fill joints and cracks. If the floor has too many cracks, the filling procedure should be repeated (first thicker then thinner mixture for filling).
3. Drying time is 30–60 minutes.
4. After drying, sanding should be continued with sand paper No. 80–100 or polishing if the filling is performed with Chromoden aqua filling solution.

CHROMODEN AQUA FILLING SOLUTION F 22

Quick drying, one-component waterborne colorless liquid ready to mix with wooden dust. It is used for filling of cracks and small cracks in parquet and wooden floorings.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used.

After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

Stir well before use. Chromoden aqua filling solution F 22 must be mixed with fine wooden dust for filling of joints and cracks. Applied in one or two layers by a trowel after the rough grinding of the parquet with sanding paper No. 40–80. The dried layer of filling solution sanded.

DRYING

Dried under normal conditions about 60 minutes (depending on the amount applied).

SPREADING RATE

0,06–0,12 l/m² (8–15 m²/l)

PACKAGING

Plastic packaging á 5 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.



SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

Chromoden aqua liquid F 22 is applied to the clean parquet. The old coating is necessary sand. The minimum temperature for application and curing is 12 °C, while optimal conditions are 18–22 °C and the relative humidity range within 40–75 %. Parquet humidity should be between 8 and 10 %. The tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic packaging.

PRACTICAL ADVICES

- It is best to use fine polishing dust.
- Filling procedure should be performed prior to final sanding with sand paper no. 150 (if using a belt grinder) or before polishing.

CHROMODEN AQUA GEL FOR PARQUET G 29

One-component waterborne gel for filling a joints, voids and defects on a wooden surface. Used when you want to keep the basic color of the wood. It also use between coats of finish.

FEATURES

- is characterized by rapid drying
- good filling properties
- it is not necessarily sanded (when used as an intermediate layer)

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

The gel is carefully applied in one or two layers on the clean wooden surface. It can be applied on a lacquered surface with one layer of Chromoden primer aqua P-PU 70 or on two layers of Chromoden 1K or on 2K AQUA PU lacquer as an intermediate layer before application of the final coat. The interlayer interval is 30–45 minutes (depending on layer thickness) in normal conditions. No sanding of the dried gel is required. However, when applied as a base coat it should be sanded with mesh 120–150 or with sandpaper No. 220–340.

DRYING

- dry to touch 15–20 minutes
- dry between coats 30–45 minutes

SPREADING RATE

Ca. 0,05–0,06 kg/m² (15–20 m²/l) in one layer



PACKAGING

Plastic packaging á 1 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25°C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

The minimum temperature for application and curing is 12 °C, while optimal conditions are 18–22 °C and the relative humidity range within 40–75 %. The tool is washed with water immediately after use. For application on exotic wood surfaces please contact our customer support representatives.

PRACTICAL ADVICES

- Not recommended to apply directly to the wood as first layer of the system because there is a possibility of lagging traces.
- The dry layer of gel should not be sanded.
- It must be overlapped immediately after the drying through (inter coat interval must be <24h)

CHROMODEN AQUA 1K PRIMER AC-P 40

One-component waterborne acrylic-polyurethane colourless primer for lacquering with Chromoden waterborne parquet lacquer.

FEATURES

- excellent sealer for wood porosity
- excellent sandability
- prevents lifting of wood fibers

DILUTION

No dilution.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80-100 if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

Stir thoroughly before using. The primer can be applied with a stainless trowel in 2 layers or a special waterbased roller in 1 layer. Each layer is dried for 2-3 hours and then sanded with paper no. 150 or 180 before lacquering with Chromoden Aqua AC PU lacquers.

DRYING

2-3 hours

SPREADING RATE

By trowel: 0,04-0,06 l/m² (16-25 m²/l)

By brush and roller: 0,08-0,10 l/m² (10-12 m²/l)

PACKAGING

CHROMODEN AQUA 1K PRIMER FOR PARQUET AC-P 40 plastic container á 5 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.



SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

CHROMODEN AQUA 1K PRIMER FOR PARQUET AC-P 40 should be applied only on a clean wooden surface. Parquet humidity should be between 8 and 10 %. The minimum temperature for application and curing is 12 °C, while optimal conditions are 18-22 °C and the relative humidity range within 40-75 %. The tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic container.

PRACTICAL ADVICES

- Application should be done as far as possible in the direction of the installation of parquet, not the opposite.
- Application of the primer along the edge of the room / moldings should be done in the thinnest possible layer to avoid darkening after overlapping which will happen during lacquering of the entire surface with a roller.
- The polishing should be done as quickly as possible just to remove raised wooden grains from the parquet resulting from drying and penetrating of the lacquer into the wood surface.

CHROMODEN AQUA 1K PRIMER PU-P 70

One-component waterborne polyurethane colourless primer for wood floors and other wood surfaces. in 1K or 2K Chromoden polyurethane waterborne systems.

FEATURES

- excellent sealer for wood porosity
- hard resistant coating with excellent sandability
- eliminates fiber-raising

DILUTION

No dilution.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80-100 if Trio sander is used.

After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

Lacquer is applied with a spatula (trowel), brush, special roller for water lacquer and air pistol on the viscosity of delivery (not diluted). Grinds the sandpaper No. 150 manually, or sandpaper No.180-220 if abrasive grinders.

DRYING

2-3 hours

SPREADING RATE

By trowel: 0,04-0,06 l/m² (16-25 m²/l)

By brush and roller: 0,08-0,10 l/m² (10-12 m²/l)

PACKAGING

CHROMODEN AQUA 1K PRIMER FOR PARQUET PU-P 70 plastic containers á 5 l, 1l



STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

CHROMODEN AQUA 1K PRIMER FOR PARQUET PU-P 70 should be applied only on a clean wooden surface. Parquet humidity should be between 8 and 10 %. The minimum temperature for application and curing is 12 °C, while optimal conditions are 18-22 °C and the relative humidity range within 40-75 %. The tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic container.

PRACTICAL ADVICES

- Application should be done as far as possible in the direction of the installation of parquet, not the opposite.
- The application must begin and end in the same direction to avoid discoloration.
- Application of the primer along the edge of the room / moldings should be done in the thinnest possible layer to avoid darkening after overlapping which will happen during lacquering of the entire surface with a roller.
- The polishing should be done as quickly as possible just to remove raised wooden grains from the parquet resulting from drying and penetrating of the lacquer into the wood surface.

CHROMODEN AQUA 2K PRIMER LACQUER FOR PARQUET PU-P

The two-component waterborne polyurethane primer is used as a primer in system with Chromoden aqua lacquers.

FEATURES

- equalizes the color of parquet
- a minimum of rising wood fibers
- excellent filling surface
- easy to mix with a contact in the ratio 100:10
- drying 1–2 h

PROPERTIES

Density: ca. 1028 kg/m³

Solids content (w.%): 30–35 (HRN EN ISO 3251)

DILUTION

No dilution.

SURFACE REQUIREMENTS

Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

Before use, CHROMODEN AQUA 2K PRIMER PU-P should be carefully mixed with CHROMODEN AQUA HARDENER. In a volumetric ratio of 10:1. 15 minutes after mixing, the mixture should be strain through a filter. The mixture is usable for a maximum of 4 hours. Stir thoroughly before using. The primer can be applied with a stainless trowel in 2 layers or a special water-based roller in 1 layer. Each layer is dried for 2–3 hours and then sanded with paper No. 150 or 180 and lacquering with waterborne PU lacquers.

SPREADING RATE

Stainless trowel: 0,04–0,06 l/m² (16–25 m²/l)

Special roller: 0,08–0,10 l/m² (10–12 m²/l)

PACKAGING

CHROMODEN AQUA 2K PU PRIMER PU-P: plastic containers á 5 l

CHROMODEN AQUA HARDENER plastic containers a 0,5 l, 0,1 l



STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

The minimum temperature for application and curing is 12 °C, while optimal conditions are 18–22 °C and the relative humidity range within 40–75 %. The tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic containers.

PRACTICAL ADVICES

- Application should be done as far as possible in the direction of the installation of parquet, not the opposite.
- The application must begin and end in the same direction to avoid discoloration.
- Application of the primer along the edge of the room / moldings should be done in the thinnest possible layer to avoid darkening after overlapping which will happen during lacquering of the entire surface with a roller.
- The polishing should be done as quickly as possible just to remove raised wooden grains from the parquet resulting from drying and penetrating of the lacquer into the wood surface.

CHROMODEN AQUA 1K PARQUET LACQUER AC 190 GLOSS, 160 SATIN, 140 MATT

One-component waterborne polyurethane-acrylic colourless lacquer for the protection and decoration of parquet and other wood flooring when you want to get a protective gloss, satin or matte varnish in spaces smaller to medium load of.

FEATURES

- available in 3 gloss levels 80 % (gloss), 35–40 % (satin), 10–20 % (matt)
- durability and abrasion resistance.
- easy to clean and resistant to splash of mild chemicals

DILUTION

In terms of high temperatures, low relative humidity and larger surfaces add up to 5 % of CHROMODEN AQUA retardant.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

Lacquer is applied with a spatula, brush, special roller for water lacquer and air pistol on the viscosity of delivery. The interlayer interval is 3–4 hours. Interlayer should be sand with paper No. 220–320. Dust should be removed with a vacuum cleaner.

SPREADING RATE

Ca. 10–12 m²/l in one layer (ca. 0,8–1 l/m²),

Ca. 3–4 m²/l in three layers.

PACKAGING

CHROMODEN AQUA 1K AC LACQUER: plastic containers á 5 l.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.



NOTE

CHROMODEN AQUA 1K AC lacquer for parquet can be applied directly to clean wooden surface or in a system with CHROMODEN AQUA 1K PRIMER AC-40 or CHROMODEN AQUA PRIMER 1K PU-P 70. Parquet humidity should be between 8 and 10 %. The minimum temperature for application and curing is 12 °C, while optimal conditions are 18–22 °C and the relative humidity range within 40–75 %. The surface can be used after 48 hours, and the tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic containers.

PRACTICAL ADVICES

- The lacquer should be tempered to the room temperature.
- It is recommended for low to medium load areas (residential areas).
- Increased air humidity during application is a benefit.
- Conditions of elevated temperature and low humidity (central heating) can cause orange peel effect.
- The roller for water based lacquers must have stitched edges.
- Intermediate sanding could be done with felt (pad) or fine mesh (No. 220–320), use lightweight polishing machines.
- Parquet of bamboo, steamed wood and exotic wood species, should be tested first.
- The tool and hands are washed with water.

CHROMODEN AQUA 1K PARQUET LACQUER PU 390 GLOSS, 360 SATIN, 340 MATT

One-component waterborne polyurethane colourless lacquer for the protection and decoration of parquet and other wood flooring when you want to get a protective gloss, satin or matte varnish in

FEATURES

- available in 3 gloss levels min 80 % (gloss), 50–60 % (satin), 30–35 % (matt)
- durability and abrasion resistance.
- high hardness
- easy to clean and resistant to splash of mild chemicals

DILUTION

In terms of high temperatures, low relative humidity and larger surfaces add up to 5 % of CHROMODEN AQUA retardant.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100, if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

APPLICATION

Lacquer is applied with a spatula, brush, special roller for water lacquer and air pistol on the viscosity of delivery. The interlayer interval is ca. 3 hours depending on the conditions. Interlayer should be sand with paper No. 220–320 Dust should be removed with a vacuum cleaner.

SPREADING RATE

Ca. 10–12 m²/l in one layer (ca. 0,8–1 l/m²)

PACKAGING

CHROMODEN AQUA 1K PU LACQUER: plastic containers á 5 l, 1l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.



NOTE

CHROMODEN AQUA 1K PU lacquer for parquet can be applied directly to clean wooden surface or in a system with CHROMODEN AQUA 1K PRIMER AC-40 or CHROMODEN AQUA PRIMER 1K PU-P 70. Parquet humidity should be between 8 and 10 %. The minimum temperature for application and curing is 12 °C, while optimal conditions are 18–22 °C and the relative humidity range within 40–75 %. The surface can be used after 48 hours, and the tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic container.

PRACTICAL ADVICES

- The lacquer should be tempered to the room temperature.
- It is recommended for light to medium traffic areas (residential areas).
- Increased air humidity during application is a benefit.
- Conditions of elevated temperature and low humidity (central heating) can cause orange peel effect.
- The roller for water based lacquers must have stitched edges.
- Intermediate sanding could be done with felt (pad) or fine mesh (No. 220–320), use lightweight polishing machines.
- Parquet of bamboo, steamed wood and exotic wood species, should be tested first.
- The tool and hands are washed with water.

CHROMODEN AQUA 2K PARQUET LACQUER PU 590 GLOSS, 560 SATIN, 540 MATT, EXTRA MATT 510

Two-component waterborne polyurethane colourless lacquer for the protection and decoration of parquet and other wood flooring in spaces medium to strong load (offices, halls, corridors, pharmacies, kindergartens...).

FEATURES

- available in 4 gloss levels – gloss, satin, matt and extra matt finish min 80 % (gloss), 50–60 % (satin), 30–35 % (matt), 8–10 %
- durability and abrasion resistance.
- high hardness
- easy to clean and resistant to splash of mild chemicals

DILUTION

In terms of high temperatures, low relative humidity and larger surfaces add up to 5 % of CHROMODEN AQUA retardant.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed. Before use it is necessary to stir each component separately. The components should be mixed in a clean dry plastic container in vol. Ratio 10: 1 (CHROMODEN AQUA 2K PU 590, 560, 540, 510 A: CHROMODEN AQUA HARDENER FOR 2K. The mixture should be thoroughly homogenized and before applying on the parquet let stand for about 15 minutes and stir again. If necessary, filter before applying on the parquet. The mixture is usable for 4 hours.

APPLICATION

Lacquer is applied by a spatula, a brush or special roller in three or four layers. The interlayer interval is 4–8 hours. Interlayer should be sanded with sandpaper No. 220 to 320. Dust should be removed with a vacuum cleaner. Space can be used 24 to 48 hours after applying the final coat.

SPREADING RATE

Ca. 10–12 m²/l in one layer (ca. 0,8–1 l/m²)

PACKAGING

CHROMODEN AQUA 2K PU LACQUER COMP A: plastic containers á 5 l, 1l
CHROMODEN AQUA HARDENER FOR 2K: plastic containers á 0,5 l, 0,1l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.



SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

CHROMODEN AQUA 2K LTP PU lacquer for parquet except on a clean wooden surface can be applied in a system with CHROMODEN AQUA 1K PRIMER AC-40 or CHROMODEN AQUA PRIMER 1K PU-P 70. Parquet humidity should be between 8 and 10 %.The optimum operating conditions are 18–22 °C and relative humidity 40–75 % and temperature parquet should not be lower than 12 °C. The surface can be used after 48 hours, and the tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic containers.

PRACTICAL ADVICES

- The lacquer should be tempered to the room temperature.
- Hardener should be added slowly in component A with continuous mixing.
- If necessary mixture should be filtered before application.
- It is recommended for medium to high traffic areas (residential and public areas).
- Increased air humidity during application is a benefit.
- Conditions of elevated temperature and low humidity (central heating) can cause orange peel effect.
- The roller for aqueous lacquers must have stitched edges.
- Intermediate sanding could be done with felt (pad) or fine mesh (No. 220–320), use lightweight polishing machines.
- Parquet of bamboo, steamed wood and exotic wood species, should be tested first.
- The tool and hands are washed with water.
- Do not pour the mixture into the drain because it can harden and clog it.
- The hardener is sensitive to moisture and should always be well closed.

CHROMODEN AQUA 2K
PARQUET LACQUER
PU 505 INVISIBLE



Two-component waterborne polyurethane colourless lacquer for the protection and decoration of parquet and other wood flooring with deep matt effect in spaces medium to strong load (offices, halls, corridors, pharmacies, kindergartens...).

It retains the natural look and feel of untreated wood. Almost invisible layer also has a scratch-resistant thanks to the use of high quality raw materials.

FEATURES

- natural appearance and feel of untreated wood.
- durability and abrasion resistance.
- high hardness
- easy to clean and resistant to splash of mild chemicals
- system without a primer

DILUTION

In terms of high temperatures, low relative humidity and larger surfaces add up to 5 % of CHROMODEN AQUA retardant.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used. After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed. Before use it is necessary to stir each component separately. The components should be mixed in a clean dry plastic container in vol. Ratio 10:1 (CHROMODEN AQUA 2K PU INVISIBLE A: CHROMODEN AQUA HARDENER FOR 2K). The mixture should be thoroughly homogenized and before applying on the parquet let stand for about 15 minutes and stir again. If necessary filter before applying on the parquet. The mixture is usable for 4 hours.

APPLICATION

Lacquer is applied by a spatula, a brush or special roller in three or four layers. The interlayer interval is 4–8 hours. Interlayer should be sanded with sandpaper No. 240 to 320. Dust should be removed with a vacuum cleaner. Space can be used 24 to 48 hours after applying the final coat.

SPREADING RATE

Ca. 10–12 m²/l in one layer (ca. 0,8–1 l/m²)
Ca. 3–4 m²/l in three layers

PACKAGING

CHROMODEN AQUA 2K PU LACQUER INVISIBLE: plastic container a 5 l
CHROMODEN AQUA HARDENER FOR 2K: plastic container a 0,5 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

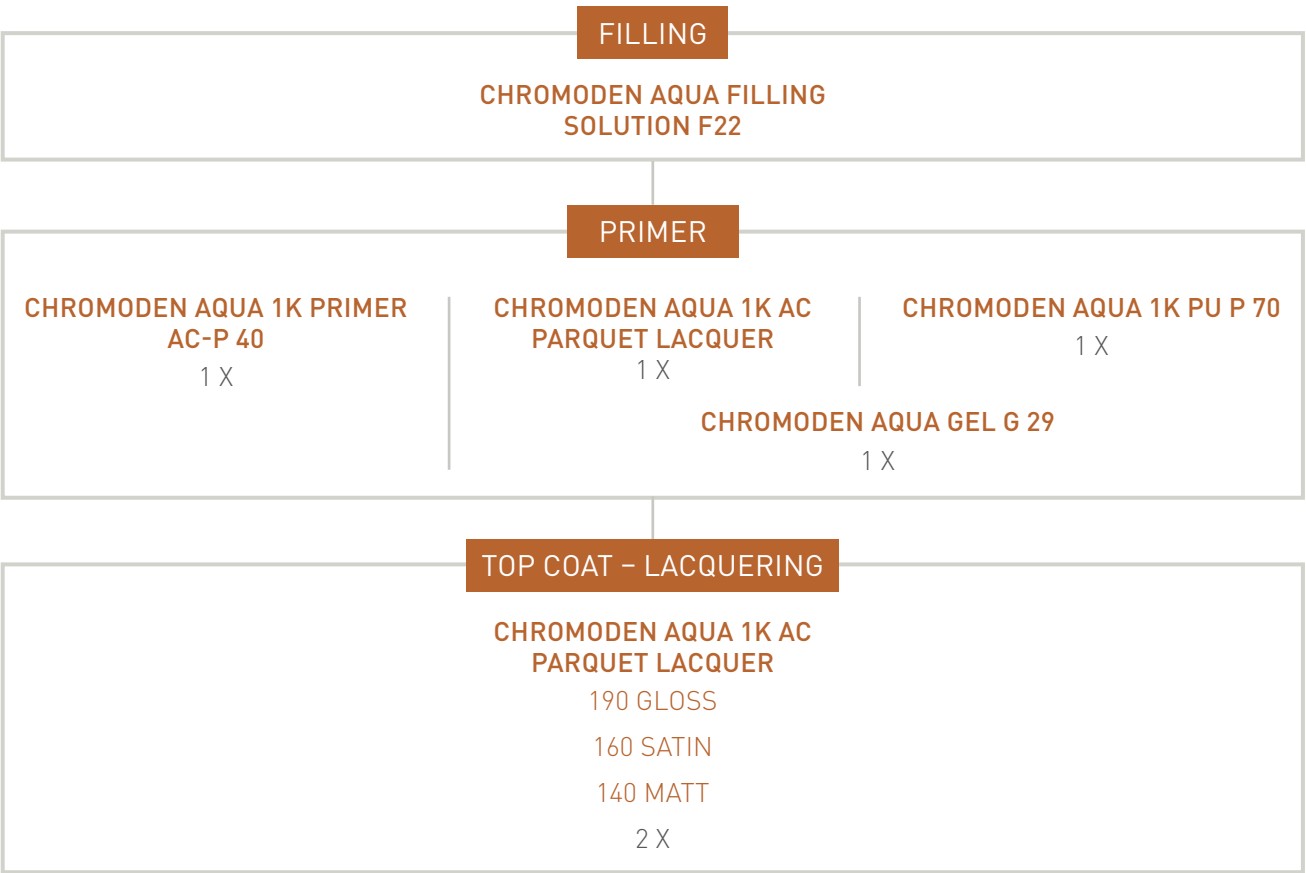
Parquet humidity should be between 8 and 10 %. The optimum operating conditions are 18–22 °C and relative humidity 40–75 % and temperature parquet should not be lower than 12 °C. The surface can be used after 48 hours, and the tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic containers.

PRACTICAL ADVICES

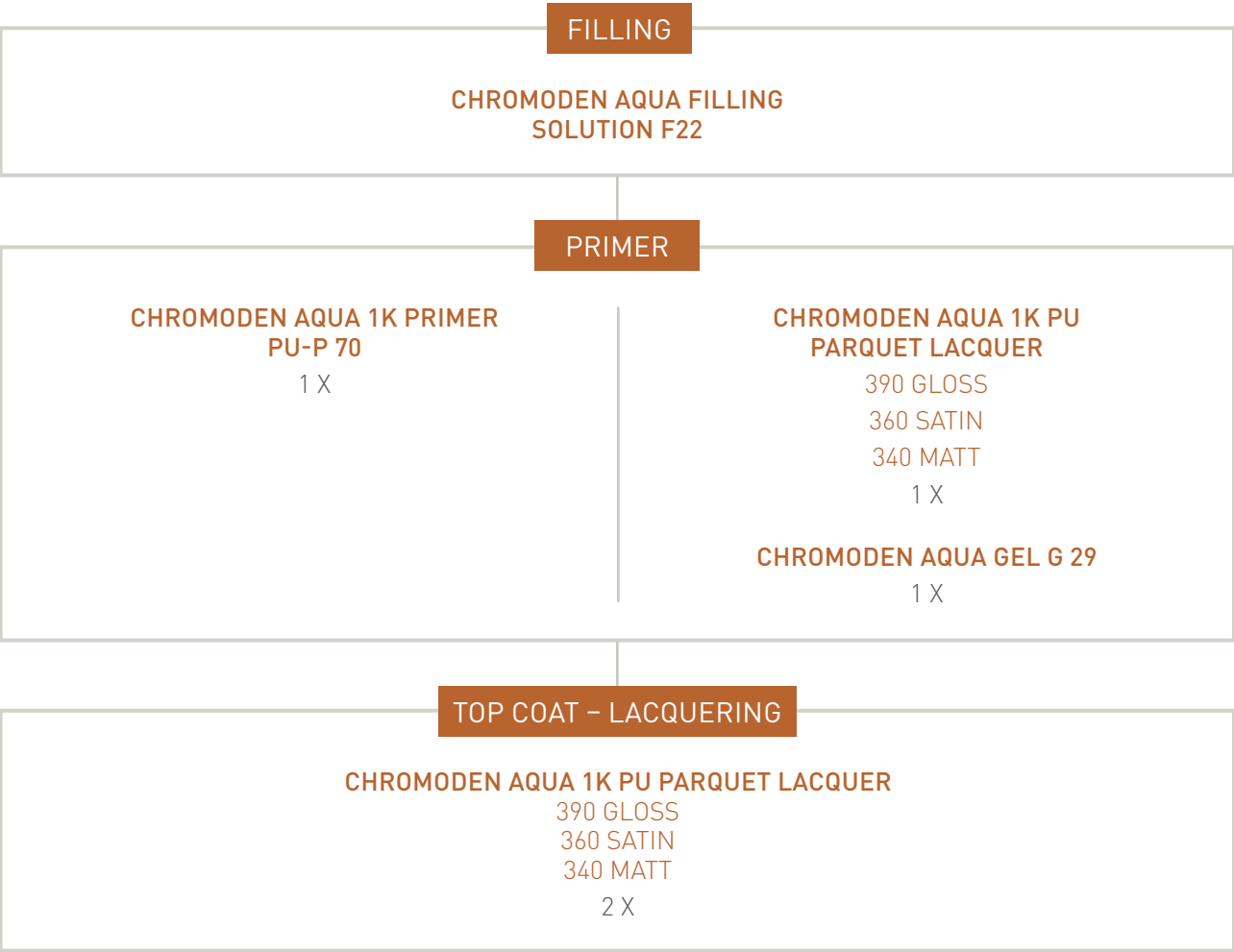
- The lacquer should be tempered to the room temperature.
- Hardener should be added slowly in component A with continuous mixing.
- If necessary mixture should be filtered before application.
- It is recommended for medium to high traffic areas (residential and public areas).
- Increased air humidity during application is a benefit.
- Conditions of elevated temperature and low humidity (central heating) can cause orange peel effect.
- The roller for aqueous lacquers must have stitched edges.
- Intermediate sanding could be done with felt (pad) or fine mesh (No. 240–320), use lightweight polishing machines.
- Parquet of bamboo, steamed wood and exotic wood species, should be tested first.
- The tool and hands are washed with water.
- Do not pour the mixture into the drain because it can harden and clog it.
- The hardener is sensitive to moisture and should always be well closed.

12. RECOMMENDED CHROMODEN AQUA SYSTEMS

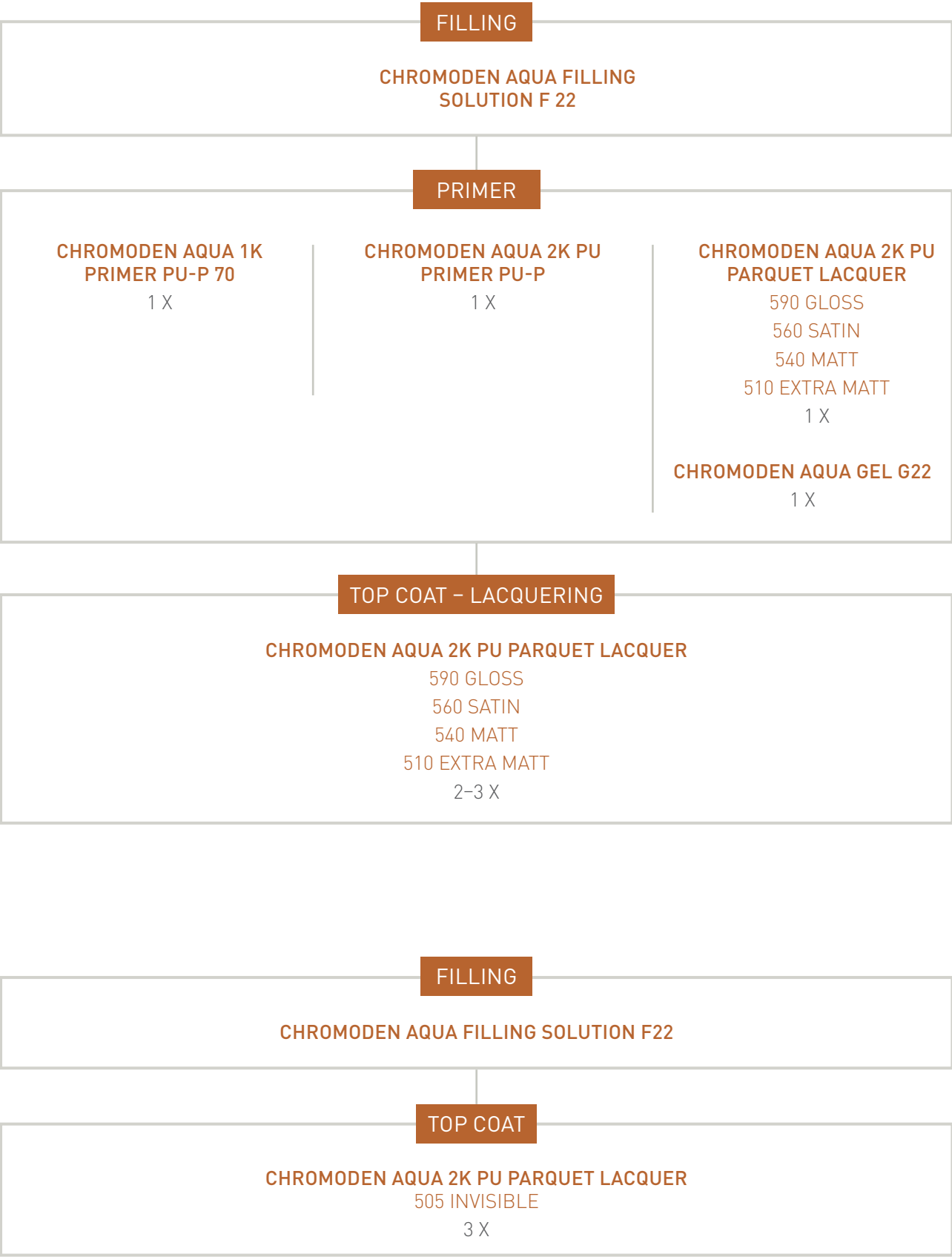
LIGHT AND NORMAL USE SURFACES



MEDIUM USE SURFACES



HIGH TRAFFIC SURFACES
(public places like offices, sport halls, kindergarten, schools)



13. COMMON FAULTS & THEIR PREVENTION



SCORE MARKS (TRACES)

- usually as result of inadequate floor sanding, consequence of making too high jump between grit grades

Prevention: sanding operations should be well planned for each stage.

LONG SCRATCHES

- as result of relatively large particles of sand paper being left over from previous sanding
- when using poor quality abrasives which do not hold the abrasive particles well
- made by particles of grit becoming dislodged from cracks in the parquet as the sander passes over them

Prevention: use good quality abrasives and parquet should be vacuumed between each sanding operation.

LINES OF UNEVENNESS OR HIGH SPOTS MARKING

- as result of unevenness in the abrasion of the parquet
- the causes could be in the construction of the floor.
- high spot marks giving uneven ridging as result of the sanding machine passing over a floor that flexes locally
- when abrasive not being tightly fitted on the belt or it not being properly clamped around

Prevention: sanding in a different direction to minimize the flexing; use abrasives that are butt jointed at the seam.

UNEVEN DEPTH OF COLOUR AROUND THE EDGES

- as result of sending the periphery of a room with different regime of abrasive grades to those of the main floor

Prevention: use same sanding regime for the both the open floor and the edges.

SWIRL MARKS

- as result of too early sanding the applied coat.

Prevention: let surface enough time to dry.

GRAIN RAISING

- as result of the wood fibers swelling subsequent to the absorption of water
- if coarser sand paper than No. 120 has been used for final sanding, the greater amount of lacquer will be absorbed by it
- if the applied coat is not dry and overlapped with another coat also can induce grain raising
- the wood itself may be vulnerable to grain raising (beech)

Prevention: use fine grade of sanding paper for final sanding (120); let surface enough time to dry.

IRON STAINING

- black dots on the surface of the parquet
- as result of reaction between wood and iron-containing contaminants
- some abrasive contain iron
- oak is more acidic than other wood and therefore susceptible to iron staining

Prevention: thorough vacuuming of the parquet before lacquering.

PROLONGED DRYING AND POOR ADHESION

- high natural extractive content in the wood
- iroko cause protracted drying
- teak cause poor adhesion
- pre-finished floors give incompatibility problems
- old, contaminated floors

Prevention: test the adhesion of the lacquer on a small test area before treating the whole surface.

LIGHTNING STRIKE / SIDE BONDING

- this occurs when the edges of individual elements of parquet become stuck together through penetration of the lacquer between gaps in the surface
- these problems are caused by changes in the weather or because of air conditioning or underfloor heating regimes

Prevention: applying an extensible sealer prior the application of the main lacquer.

14. COMBINED SYSTEM

We can offer several combined systems:

- SB & WB – solvent based primer and/or lacquer as first layer and waterbased as top coat
- OIL & WB – Chromoden 2K oils and Chromoden Aqua 2K

These systems have recently become very popular because they have many advantages:

- protection of specially absorbing wood species such as beech, acacia or some thermally treated wood,
- protection of parquet made from exotic (oily) wood where the first and / or second layer is solvent based primer or top coat, and the final top coat is Chromoden Aqua 2K PU
- possibility of working in conditions not recommended for solvent based products such as high humidity that can cause defects such as longer drying or irregularity of the dried film
- the "depth of color" is emphasized if the parquet is colored with oil and then the protected with Chromoden Aqua 2K PU

PRACTICAL ADVICES

- Each combined system must have 3 layers.
- The first layer of combined SB & WB system is always solvent based lacquer.
- The last layer of combined SB & WB system is always Chromoden Aqua 2K PU never one component.
- The sanding of solvent based layer should be done with fine grinding nets to avoid making scratches that are difficult to hide with the top coat.
- Solvent based layer must be overcoated within 48 hours. Otherwise, sanding will make a lot of scratches.
- For combine system OIL & WB it is necessary to leave oil to dry 48 hours and then apply Chromoden Aqua 2K PU. This system is not recommended for white oil.



15. RENOVATION WITH CHROMODEN AQUA REPAIR

CHROMODEN AQUA REPAIR

Two-component waterborne polyurethane colourless lacquer for quick renew of old parquet lacquered with Chromoden parquet lacquers (Chromoden aqua and Chromoden solventborne) in spaces medium to high traffic load (offices, halls, corridors, pharmacies, kindergartens...).

FEATURES

- without removing old layers of lacquer
- quick renew
- durability and abrasion resistance.
- high hardness
- easy to clean and resistant to splash of mild chemicals

DILUTION

In terms of high temperatures, low relative humidity and larger surfaces add up to 5 % of CHROMODEN AQUA retardant.

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80-100 if Trio sander is used). After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed. Before use it is necessary to stir each component separately. The components should be mixed in a clean dry plastic container in vol. Ratio 10:1. The mixture should be thoroughly homogenized and before applying on the parquet let stand for about 15 minutes and stir again. If necessary filter before applying on the parquet. The mixture is usable for 4 hours.

APPLICATION

Lacquer is applied by special roller in one or two layers. The interlayer interval is 4-8 hours. Dried first layer of lacquer should be sanded with sandpaper No. 240 to 320. Dust should be removed with a vacuum cleaner. Space can be used 24 to 48 hours after applying the final coat.

SPREADING RATE

Ca. 10-12 m²/l in one layer (ca. 0,8-1 l/m²)



PACKAGING

CHROMODEN AQUA 2K PU LACQUER REPAIR
COMP A: plastic containers a 1 l
CHROMODEN AQUA HARDENER FOR 2K
plastic container á 0,5 l

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

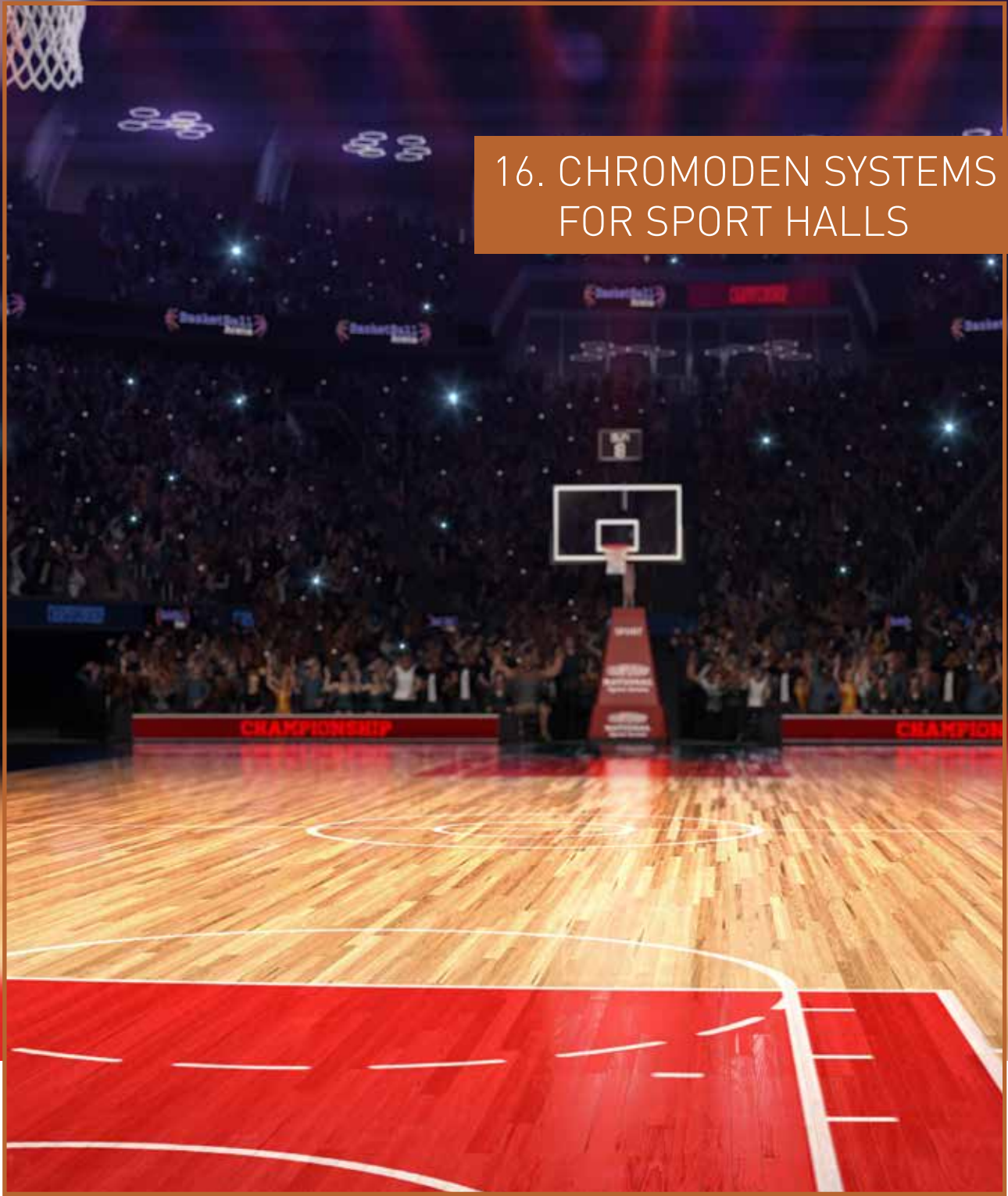
18 months in originally closed and unopened packaging.

NOTE

Parquet humidity should be between 8 and 10 %. The optimum operating conditions are 18-22 °C and relative humidity 40-75 % and temperature parquet should not be lower than 12 °C. The surface can be used after 48 hours, and the tool is washed with water immediately after use. Before application on exotic wood surfaces please contact our customer support representatives. After use, close tightly plastic containers.

PRACTICAL ADVICES

- Max. gloss that can be achieved is 80 %.
- Recommended in two layers.
- Always degrease first before polishing (to improve adhesion).
- Recommended for renovation of damaged, worn out surfaces.
- Polishing of surface with mesh first must be done with grit No. 150 and then smoothing with No. 180-220 to cover the tracks after when using No. 150.
- Polishing of surface with sandpaper No. 220 and then with finer to pull out leaks, if any.



16. CHROMODEN SYSTEMS
FOR SPORT HALLS

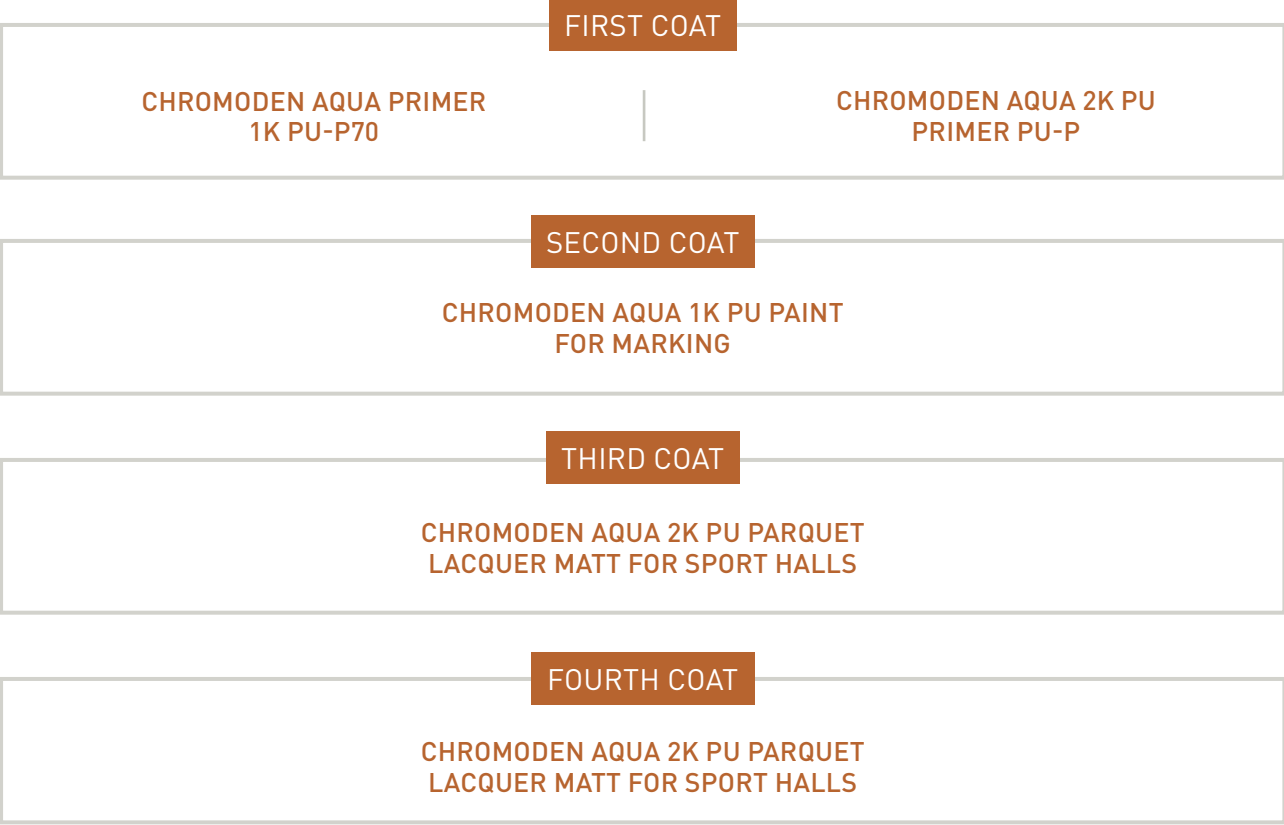
Chromos offers a complete system of long-lasting protection on wood flooring in sport halls. Since the sport floor is classified as high-heavy traffic area where during the day held various training sessions of gymnastics, basketball, handball, volleyball, and are not excluded either dance courses and competitions, quality of surface protection must be on a very high level.

Chromoden parquet lacquers for sport halls are available in solvent and waterbased system as well as combined system meets the **DIN 18032** or **HRN EN 14904 | EN 13036-4** standards.

SYSTEMS SOLUTIONS –
SOLVENT BASED & COMBINED systems

FIRST COAT	
CHROMODEN 2K PU PRIMER	CHROMODEN TRANSPARENT to mark the area and sport court for basketball or racket for handball
SECOND COAT	
CHROMODEN 2K PU PAINT FOR MARKING	
THIRD COAT	
CHROMODEN 2K PU PARQUET LACQUER MATT FOR SPORT HALLS	CHROMODEN AQUA 2K PU PARQUET LACQUER MATT FOR SPORT HALLS
FOURTH COAT	
CHROMODEN 2K PU PARQUET LACQUER MATT FOR SPORT HALLS	CHROMODEN AQUA 2K PU PARQUET LACQUER MATT FOR SPORT HALLS

SYSTEMS SOLUTIONS –
WATER BASED SYSTEMS



CHROMODEN 2K PU
PARQUET LACQUERS
MATT FOR SPORT HALLS

Two-component polyurethane anti-slippery colourless matt/flat lacquer with special components.

FEATURES

- anti-slippery effect
- excellent durability and abrasion resistant
- tough, hard and high build coating
- easy to clean and resistant to splash of mild chemical
- colourless - flat, gloss 30–40 %

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used.

After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

INSTRUCTIONS FOR USE

Stir well before and during use. The components should be mixed together in clean glass, plastic or undamaged enamel container 15 minutes before application.

Pot life: 2–4 hours.

DRYING

- interlayer interval for Chromoden 2K PU PRIMER is max. 3 days
- interlayer interval for Chromoden 2K PU MATT for sport halls is 16–24 hours
- for handling after 16–24 hours
- for use after min. 48 hours

SPREADING RATE

Approx. 1 m²/l mixed product for one coat (approx. 0,1 l/m²).

PACKAGING

Tin plate containers á 10 + 10 l.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

24 months in originally closed and unopened packaging.

PRACTICAL ADVICES

- It is necessary to use Chromoden retardant MP.
- In the summer time when temperatures are high, applications must be in the early morning hours.
- The interval between primer and top coat must not exceed 3 days, otherwise there is the possibility of peeling (bad adhesion).
- The interval between layers must not exceed 48 hours.
- Interlayer sanding is necessary procedure to avoid peeling because the sports hall is a surface with extremely heavy traffic area.
- Fully reduce airflow – close all openings and switch off air conditioning during application.
- Filling of joints and cracks between boards is not recommended because the filled joint will fall out will due to load during surface use.
- Do not applied on nitro or alkyd based lacquer or primer, nor the materials from other manufacturers.
- Not recommended interrupting the prescribed procedure.
- Requires numerous and well-trained team for lacquering.
- Finished surfaces can be used after min. 48 hours.
- Prepare mixture for lacquering the sport hall (component A and B) for whole surfaces at once.
- The lacquer should be tempered to the room temperature.
- It is extremely important to control the conditions during application (18–22 °C temperature, relative humidity 60–75 % and parquet moisture 8–10 %).

CHROMODEN 2K PU PAINT FOR MARKING

Two-component polyurethane opaque paint for marking the lines and other sport fields in sport halls

INSTRUCTIONS FOR USE

Stir well before and during use. The components should be mixed together in clean glass, plastic or undamaged enamel container 15 minutes before application.

Pot life: 6–8 hours.

SPREADING RATE

Approx. 1 m²/l mixed product for one coat (approx. 0,1 l/m²).

PACKAGING

CHROMODEN 2K PU PAINT: tin plate container á 1 lit (filling ca 0,75 l)

CHROMODEN HARDENER C: tin plate container á 0,20 lit

SURFACE REQUIREMENTS

Previous coat must be dry, cleaned and sanded with sandpaper grit No. 150–180.

APPLICATION

By roller or brush in one or two layers.

DRYING

24 hours. It can be diluted with max. 10 % of Chromoden retarder.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

24 months in originally closed and unopened packaging.

NOTE

For marking lines use professional strips – we recommend ELITE 830638 orange, SCOTCH 3030 green, SCOTCH 3434 blue. After labeling, additionally stick by hand to the parquet.

PRACTICAL ADVICES

- The lines are applied on the first layer of system with Chromoden paints, and not with products from other suppliers, as it may cause erosion.
- The previous coat on which the lines are applied must be sanded as well as the line itself before applying the next layer.
- Tape for marking lines peel off immediately or after a few hours.

CHROMODEN AQUA 2K PU PARQUET LACQUER MATT FOR SPORT HALLS

Two-component waterborne polyurethane (base and hardener) colourless matt lacquer. For high-quality lacquering of parquetry in sport halls and other wood surfaces to achieve a protection in top quality.

FEATURES

- excellent durability and abrasion resistant
- tough and hard resistant coating
- large elasticity
- easy to clean and resistant to splash of mild chemical
- colourless – flat, gloss 45–50 %

MIXING RATIO

By volume = 10:1

SURFACE REQUIREMENTS

Surface must be dried and free from aged coatings, grease, dust and other impurities. Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used.

After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

INSTRUCTIONS FOR USE

Stir well before use. The components should be easily mixed together in clean glass, plastic container 15 minutes before application. The mixture should be filtered before applying through filter paper that is in the garniture. No thinning is needed but if conditions are not right (the large surface, to hot) then addition of 5–10 % of cold water is recommended.

Pot life: 6–8 hours.

APPLICATION

- by brush, roller or air spray must be applied in three or four sequential coat
- overcoating interval: min. 3–4 hours
- sending between layers with sand paper No. 220–380 and the dust need to be removed with a vacuum cleaner

DRYING

- interlayer interval for Chromoden AQUA 2K PU PRIMER is max.3 days
- interlayer interval for Chromoden AQUA 2K PU MATT for sport halls is 16–24 hours
- for handling after 16–24 hours
- for use after min. 48 hours



SPREADING RATE

Approx. 1 m²/l mixed product for one coat (approx. 0,1 l/m²).

PACKAGING

CHROMODEN AQUA 2K PU PARQUET LACQUER MATT FOR SPORT HALLS: plastic containers á 5 l.

CHROMODEN AQUA HARDENER FOR 2K: plastic container á 0,5 l.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

The CHROMODEN AQUA 2K PU lacquer for SPORT HALLS matt can also be applied to parquet previously treated with CHROMODEN TRANSPARENT STAINS, CHROMODEN aqua primer lacquer, CHROMODEN AQUA GEL or CHROMODEN AQUA 1K PIGMENTED PAINTS. If the surface has been coated with other LACQUERS, it is necessary to check the adhesion. Parquet humidity should be between 8 and 10 %. The optimum operating conditions are 18–22 °C and relative humidity 40–75 % and temperature parquet should not be lower than 12 °C. The surface can be used after 48 hours, and the tool is washed with water immediately after use. After use, close tightly plastic containers.

PRACTICAL ADVICES

- It is necessary to use Chromoden Aqua retardant.
- In the summer time when temperatures are high, applications must be in the early morning hours.
- The interval between primer and top coat must not exceed 3 days, otherwise there is the possibility of peeling (bad adhesion).
- The interval between layers must not exceed 48 hours.
- Interlayer sanding is necessary procedure to avoid peeling because the sports hall is a surface with extremely heavy traffic area.
- Fully reduce airflow – close all openings and switch off air conditioning during application.
- Filling of joints and cracks between boards is not recommended because the filled joint will fall out due to load during surface use.
- Do not applied on nitro or alkyd based lacquer or primer, nor the materials from other producers.
- We do not recommend interrupting the lacquering procedure.
- Requires numerous and well-trained team for lacquering.
- Finished surfaces can be used after min. 48 hours.
- Prepare mixture for lacquering the sport hall (component A and B) for whole surfaces at once.
- The lacquer should be tempered to the room temperature.
- It is extremely important to control the conditions during application (18–22 °C temperature, relative humidity 60–75 % and parquet moisture 8–10 %).



CHROMODEN AQUA PAINT FOR MARKING

One-component waterbased polyurethane varnish pigmented with high quality lightfast pigments. For marking the lines in sport floors and other and other wood surfaces before application of CHROMODEN AQUA 2K PU parquet lacquer matt for sport floor.

COLOURS

Available in 6 standard colours (white, black, green, yellow, blue and red).

SURFACE REQUIREMENTS

Final sanding should be done with sanding paper No. 150 or No. 120 for a single-plate polishing machine and No. 80–100 if Trio sander is used.

After sanding, remove all dust with a vacuum cleaner. Treating the wooden surface before painting with hydrogen peroxide or any other chemical is not allowed.

INSTRUCTIONS FOR USE

Stir well before use. No thinner required but if the conditions are not standard (to hot, big surface...) then addition of 5–10 % of cold water is recommended.

APPLICATION

Pigmented varnish could be applicate by brush of roller in one or two coats. Dry film need to be sanded with fine sandpaper (220–380).

Please look at recommended Chromoden system for sport floors.

DRYING

4–6 hours under normal conditions.

SPREADING RATE

Approx. 12 m²/l mixed product (approx. 0,08 l/m²).

PACKAGING

CHROMODEN AQUA paint for lines: á 1l.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

18 months in originally closed and unopened packaging.

NOTE

- all equipment and tools used for application must be cleaned immediately after use with water. After use, close tightly.
- for marking lines use professional strips – we recommend ELITE 830638 orange, SCOTCH 3030 green, SCOTCH 3434 blue. After labeling, additionally stick by hand to the parquet

Sport hall in Zilina, SK, Chromoden Aqua system



PRACTICAL ADVICES

- The lines are applied on the first layer of the system with Chromoden Aqua paints, and not with products from other suppliers, as it may cause erosion.
- The previous coat on which the lines are applied must be sanded as well as the line itself before applying the next layer.
- Tape for marking lines peel off immediately or after a few hours.

17. CHROMODEN 2K OILS



Chromos boast exceptional environmental awareness, which can be confirmed by the development of new eco-friendly products. The result is a new line of products that we can announce under the name Chromoden Oils, which will help follow us world trends to protect wood as an eternal material, used since ancient times and as one of the only

renewable resources, giving it a natural silky glow. With these products we can provide protection of parquet and other wooden surfaces that are exposed to high traffic. Excellent resistance to water and mild chemicals allows easy maintenance. The oil is applied in just two layers, which allows quick and efficient protection of the parquet floor.

CHROMODEN 2K OIL FOR PARQUET

Two-component blend of special oils and waxes for transparent colouring and impregnation of parquet and other wood surfaces.

FEATURES

- it leaves the natural look of wooden structure
- economical consumption
- 1 liter covers 30 to 50 m²
- for all types of wood
- high chemical resistance
- color and protects
- easy to apply
- it can be applied in 1 or 2 layers
- for highlighting of shades, we recommend 2 layers
- possibility of applying only NATUR shade as the final layer
- one layer – matt appearance
- two layers – satin appearance
- renovation every two years

APPLICATION

Application with spatula

- uniformity of application
- small and economical consumption

Other possibilities of application

- machine for polishing – brown or white pad
- advantage – ease of application and low consumption
- disadvantage – the possibility of “spraying” on the walls
- by brush → disadvantage – big consumption, slow application
- by roller → disadvantage – big consumption
- leave from 10–20 minutes to absorb oil applied to the substrate and to remove the excess

INSTRUCTION FOR USE

Oil could be applied by brush, cotton cloth, spatula or polishing machine (brown or white pad) and 10–15 minutes after application, excess of oil should be removed (wiped away) with dry cotton cloth (when application is by brush or spatula) or new white pad (if application is with polishing machine) leaving no fluff on the surface, in order to remove the excess oil. Wet amount of oil must be wiped away at all. Otherwise it can't be removed after drying. Dry film does not need to be sanded. After 24 hours, apply another layer.

STORAGE

In dry and ventilated place at a temperature of 5 °C to 25 °C. The product must not freeze.

SHELF LIFE

60 months in originally closed and unopened packaging.

NOTE

CHROMODEN 2K OIL can be applied on clean and dry wood surface or on to the parquet floor and not on parquet treated with other materials.

Moisture contents in the parquetry must be between 8 and 10 %. Application must be done in room conditions (18-22 °C). Relative humidity in the air during application must be between 45 and 75 %. All equipment and tools used for application must be cleaned immediately after use with THINNER or CLEANING SOLVENT. Before application on exotic wood surfaces please contact our experts from field service department. After use, close tightly both the lacquer and hardener to prevent contact with humidity in the air.

CAUTION: the contact of the finished (mixed) products with textile materials (felt, cloth, clothing) carries the risk of spontaneous combustion and all the textile material that has been in contact with the finished

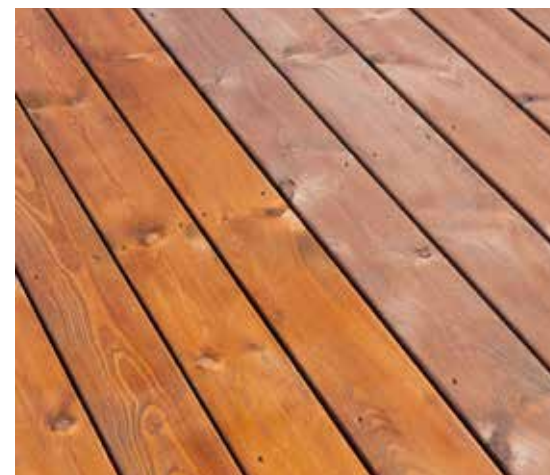
PRACTICAL ADVICES

- Use new pad/cloth to remove the excess of oil.
- Wooden floor have to be polished for as long as it takes to remove the excess of oil.
- Repeat procedure after 24 hours.

RENOVATION OF OLD DECKING FLOOR

All surface contaminants like mould, rust, stains, excess tannins, and oily residues need to be removed from new and old timber surface. The easiest way is to use mild detergent solution by mechanical brush as shown in the picture, or use miniwash appliance.

Then it is necessary to leave the surface to dry completely and after full drying it is possible to apply Chromoden 2K parquet oil in two layers. Recoat interval is 24 hours.



18. ACCESSORIES

Allows application of Chromoden products in un-recommended conditions for lacquering.

CHROMODEN RETARDER S

- leveling additive for CHROMODEN 2K PU PARQUET LACQUER GLOSS
- prevents the foam formation (bubbles) in conditions of high temperature, low relative humidity of air, large surfaces
- up to 5 % on mixture

CHROMODEN RETARDER MP

- leveling additive for CHROMODEN 2K PU PARQUET LACQUER SATIN, MAT AND EXTRA MAT
- prevents overlapping in conditions of high temperature, low relative humidity of air, large surfaces

CHROMODEN AQUA RETARDER

- additive for improving of leveling for CHROMODEN AQUA PARQUET LACQUERS
- prevents overlapping in conditions of high temperature, low relative humidity of air, large surfaces
- up to 10 % on mixture

CHROMODEN THINNER R 14

A solvent mixture for:

- primer preparation before applying Chromoden S 130
- a tool cleaning agent after using solvent-based and polyurethane based adhesive
- and as a PU cleaning agent for pre-finished parquet



CHROMODEN CLEANSER

Blend of solvents for cleaning tools and equipment after lacquering with a Chromoden solvent based products.

PRACTICAL ADVICES

- A new roller should be used to apply the third or final coat. Before using a new roller, loose fibers should be removed using broad adhesive tape.
- For each application, it is necessary to wash the tools in CHROMODEN CLEANSER (an integral part of the set). Other cleansers are not recommended. Prior to reusing a tool, it must be completely dry and free of dust and particles of dry lacquer.
- Removing adhesive residual from pre-finished parquet should be done immediately after installation.

19. USE AND MAINTENANCE OF LACQUERED PARQUET SURFACES

The surface can be used 48 hours after applying the last layer of the topcoat, and it is not recommended covering with carpets or other floor coverings as well as loading with heavy objects, 7 days after final application.

To avoid any scratches from the chair pull, or recesses from the table and furniture, the felt pads are recommended.

If not maintained correctly, the high gloss parquet floors could lose gloss prematurely.

To keep the top coat undamaged floor as long as possible, it is necessary to use suitable footwear. The footwear used for outdoor area should be avoided, especially since it could contain dirt such as stone or sand which could, due to the sharp edges, significantly damage the surface. The same goes for the high heels.

If a carpet or other floor covering is put to soon, the high gloss surface will become matt. However, a reduction in gloss is possible even though the prescribed curing time interval has been observed if the bottom side of the carpet is covered with coarse fibers.

- if water or other liquids are to be washed, it must be wiped out immediately. The same applies to coffee stains, red wine, ketchup or any other bright color liquids.
- it is recommended that the first cleaning is done 3-4 weeks after application of the top coat.

To remove dust and similar dry dirt, it is best to use a dry cloth, broom or vacuum cleaner.

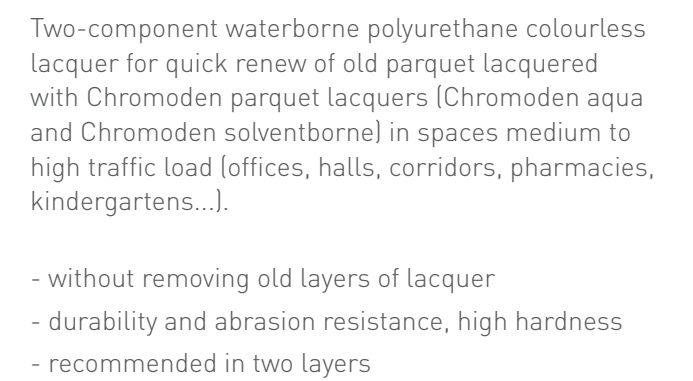
When vacuuming, care must be taken to ensure that the parquet is not scratched by the rough part of the vacuum cleaner, i.e. use a soft brush.

Use a damp (not wet) cloth to wipe the floor with water or mild detergents.

The parquet floor should not be permanently exposed to moisture and / or water, since it will cause the damage of the wood.

Aggressive agents used for example of maintenance and disinfection of the bathroom, should not be used.

RENOVATION WITH
CHROMODEN AQUA REPAIR





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