

ROOF EXPERT

ADVANCED ROOFING SYSTEMS



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ROOFING SYSTEMS**

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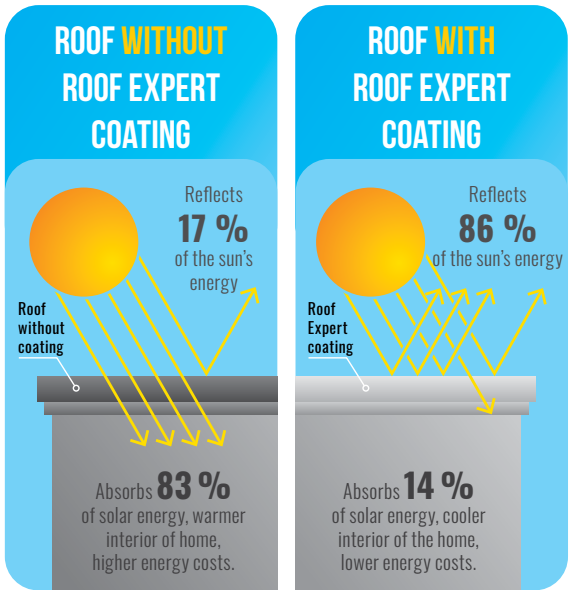
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1. ROOF EXPERT LIQUID WATERPROOFING AND PROTECTIVE ROOF COATINGS

ROOF EXPERT innovative systems are designed to provide durable protection for flat and inclined roofs of concrete, brick, stone, bitumen sheaths, roof tile or metal. Liquid coatings are made without joints with full adhesion to the substrate and protect it from water, moisture and UV rays. High solar reflectance helps reduce roof surface temperatures, thus increasing its durability.

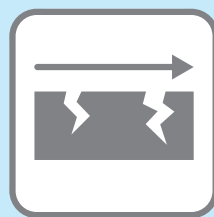
ROOF EXPERT systems are excellent technology for new roofs and ideal solution for renovation of old ones.



COOL ROOF - ROOF EXPERT coatings (white shade)



**UV resistance/
solar energy
reflection**



**Elasticity and
crack bridging**



**Longevity/weather
resistance**



**Waterproofing/
waterproofing**



**Easy application
(roller/airless gun)**

INNOVATIVE TECHNOLOGY

1.1. ROOF EXPERT SYSTEMS BASED ON ACRYLATE WATER DISPERSION

ROOF EXPERT AC

Highly flexible acrylic-based membrane.

ADVANTAGES:

- > Highly resistant to UV aging, heat aging and temperature changes
- > Reflects 86% of solar energy
- > Easy application by roller or airless
- > Excellent adhesion on: mortar, concrete, brick, stone, existing bitumen sheaths, roof tile, metallic surfaces, etc.
- > Ideal solution for overbridging joints of different materials using an appropriate primer
- > 5–10 years working life (depending on the system)

APPLICATION AREA:

- > It is used to protect new and repair existing flat, inclined and curved roofs
- > Ideal flow around chimneys, ventilation exits, dilatations, etc.
- > Application: roller or airless

COLORS AVAILABLE: according to Chromomix tone chart

PACKAGING: 5 kg and 20 kg

ROOF EXPERT AC PROTECTION SYSTEMS FOR VARIOUS TYPES OF ROOFS

Concrete and cementitious roof substrates

System Element	Material	Spreading rate
Substrate preparation	Roof Expert C Primer	0.20–0.25 kg/m ²
Waterproof coating	Roof Expert AC	3.0 kg/m ²
Reinforcement	Roof Expert Reinforce 50	1 roll/50 m ²
Protective coating	Roof Expert AC	0.4–0.8 kg/m ²



ROOF EXPERT C PRIMER

Solvent-free impregnation based on synthetic resin and additives.

APPLICATION AREA:

It is designed to protect concrete and cement roofing substrates, as part of a system with Roof expert AC coating.

PROPERTIES:

- > Penetrates deeply into the substrate
- > Equalizes the substrate's absorbency
- > Binds and strengthens the surface particles of the substrate
- > Improves the adhesion of the final coating

PACKAGING: 5 kg

Metal roof substrates		
System Element	Material	Spreading rate
Substrate preparation (damaged sheet metal)	Roof Expert MC Primer	0.16 kg/m ² /50 µm
Substrate preparation (undamaged sheet metal)	Roof Expert M Primer	0.22 kg/m ² /70 µm
Protective coating	Roof Expert AC	0.4-0.8 kg/m ²



ROOF EXPERT MC PRIMER

Anticorrosive primer based on an epoxy ester resin with active anticorrosive pigments.

APPLICATION AREA:

It is designed to protect damaged galvanized sheet metal roofs, as part of a system with Roof expert AC and PU coatings.

PROPERTIES:

- > Excellent corrosion inhibitive characteristics
- > Very good mechanical values
- > High penetration

PACKAGING: 5 kg and 20 kg

COLOUR AVAILABLE: Gray-green

ROOF EXPERT M PRIMER

Anticorrosive primer based on acrylate aqueous dispersion with active anticorrosive pigments.

APPLICATION AREA:

It is designed to protect galvanized sheet metal roofs and fiber-cement (eternit) roofing substrates, as part of a system with the Roof expert AC coating.

PROPERTIES:

- > Excellent corrosion inhibitive characteristics
- > Excellent adhesion on galvanized steel
- > Good weather resisting
- > Fast drying

PACKAGING: 5 kg

COLOUR AVAILABLE: Green RAL 6003

Fiber-cement (eternit) roofing substrates		
System Element	Material	Spreading rate
Substrate preparation	Roof Expert M Primer	0.22 kg/m ² /70 µm
Protective coating	Roof Expert AC	0.4-0.8 kg/m ²



Fiber-cement (salonit) roofing substrates		
System Element	Material	Spreading rate
Substrate preparation	Roof Expert EP Primer	0.20-0.30 kg/m ²
Protective coating	Roof Expert AC	0.4-0.8 kg/m ²



ROOF EXPERT EP PRIMER

Two-component ground coating on epoxy-resin polyamide-adduct basis.

APPLICATION AREA:

It is designed to protect concrete, plastered, and asbestos-cement roof substrates, as part of a system with the Roof expert AC coating.

It is also suitable for use in industrial environments and atmospheres with industrial pollution. Note: Comply with all legal regulations and safety

measures when working with substrates that contain asbestos!

PROPERTIES:

- > High penetration
- > Good resistance against mechanical stress
- > Good resistance against and chemical stress

PACKAGING: Component A 3 kg
Component B 1 kg

Bituminous roof substrates		
System Element	Material	Spreading rate
Substrate preparation	Roof Expert AC + 10% water	0.25-0.30 kg/m ²
Waterproof coating	Roof Expert AC	3.0 kg/m ²
Reinforcement	Roof Expert Reinforce 50	1 roll/50 m ²
Protective coating	Roof Expert AC	0.4-0.8 kg/m ²



1.2. ROOF EXPERT SYSTEMS BASED ON SOLVENT-BORNE POLYURETHANE RESIN

Polyurethane based coatings represent one of the most modern solutions for waterproofing flat roofs, terraces, balconies and other surfaces exposed to extreme conditions. Thanks to their high elasticity, excellent UV resistance and long-term water tightness,

PU systems provide reliable protection and a long service life. Their crack-bridging ability, chemical resistance and easy application to complex details make them the ideal choice for projects where maximum safety and performance are required.

ROOF EXPERT PU SYSTEM

Easy application and a permanent solution:

ROOF EXPERT PU 510 polyurethane liquid waterproof coating, not UV-resistant to color change.

ROOF EXPERT PU 610 polyurethane liquid waterproof finishing coating, UV-resistant to color change.

ADVANTAGES:

- > Easy application by roller or airless
- > Fast curing, ability to rapidly become resistant to rain damage
- > Ideal solution for overbridging joints of different materials
- > Seamless, easy to repair
- > Moisture curing coating
- > 10-25 years working life (depending on the system)

APPLICATION AREA:

- > It is used to protect new and repair existing flat, inclined and curved roofs
- > Most common applications: industrial buildings; commercial buildings; public institutions
- > All construction materials (mortar, concrete, brick, stone, existing bitumen sheaths, roof tile, metallic surfaces, etc.)
- > Application: by roller or airless

COLORS AVAILABLE: white and RAL 7040

PACKAGING: Roof Expert PU 510: 25 kg
Roof Expert PU 610: 5 kg and 25 kg

ROOF EXPERT PU PROTECTION SYSTEMS FOR VARIOUS TYPES OF ROOFS

Concrete, bituminous, and asbestos-cement roof substrates		
System Element	Material	Spreading rate
Substrate preparation	Roof Expert PU Primer	0.20-0.25 l/m²
Waterproof coating	Roof Expert PU system	depending on the system
Reinforcement	Roof Expert Reinforce 50	1 roll/50 m²
Protective coating	Roof Expert PU 610	0.4–0.8 kg/m²



ROOF EXPERT PU PRIMER

One component, solvent-based polyurethane primer.

APPLICATION AREA:

It is designed to protect concrete, bituminous, and asbestos-cement roofing substrates, as part of a system with Roof Expert PU protective coating.

PROPERTIES:

- > Penetrates deeply into the substrate
- > Equalizes the substrate's absorbency
- > Binds and strengthens the surface particles of the substrate
- > Improves the adhesion of the final coating

PACKAGING: 4 L

Metal roof substrates		
System Element	Material	Spreading rate
Substrate preparation	Roof Expert MC Primer	0.16 kg/m²/50 µm
Waterproof coating	Roof Expert PU system	depending on the system
Reinforcement	Roof Expert Reinforce 50	1 roll/50 m²
Protective coating	Roof Expert PU 610	0.4–0.8 kg/m²



ROOF EXPERT – LIQUID WATERPROOFING

Properties:

- > Excellent crack bridging ability
- > No penetration through construction
- > Durable, impermeable, without seams or joints, easy to repair
- > Excellent mechanical resistance
- > Excellence weather resistance
- > Easy application
- > High elasticity
- > Water-vapor permeable
- > High reflection of solar energy
- > Variety of shades

Substrate preparation:

- > Remove all impurities, grease, dust
- > Remove any loose particlese
- > Remove any old paints and oils
- > Substrates must be mechanically prepared by high-pressure washing or sanding

 **ROOF EXPERT AC i PU coatings are tested according to EN 1504-2 coating (C) principles PI, MC and IR.**



2. ROOF EXPERT METAL ROOF PROTECTION SYSTEMS

Roof Expert metal roofs protective coatings ensure long-term resistance of sheet metal surfaces to corrosion, moisture, UV radiation, temperature changes and chemical influences from the atmosphere. A properly selected coating adheres very well to the substrate, prevents substrate deterioration and extends the life of the roof.

Roof Expert protective coatings provide mechanical resistance and stable color, making the roof permanently protected and aesthetically attractive.

ROOF EXPERT AQUA ROLLDIRECT

Waterborne acrylic finishing topcoat with silky matte effect filled with mica pigments.

APPLICATION AREA:

Finishing coat for the protection of galvanized sheet metal roofs, designed for direct application to the metal without a primer.

PROPERTIES:

- > Good weather resisting
- > Good colour stability
- > Good gloss stability



SPREADING RATE: theoretical - 217 g/m²/70 µm (RAL 6003)

PACKAGING: 12 kg

COLORS AVAILABLE: according to RAL-Colour chart

ROOF EXPERT ROLLDIRECT

Finishing coating based on modified acrylic resin with a slightly matte appearance filled with mica pigments.

APPLICATION AREA:

Finishing coat for the protection of galvanized sheet metal roofs, designed for direct application to the metal without a primer.

PROPERTIES:

- > Good weather resisting
- > Reliable and economic coating



SPREADING RATE: theoretical - 228 g/m²/80 µm

PACKAGING: 5 kg and 20 kg

COLORS AVAILABLE: according to RAL-Colour chart

ROOF EXPERT DS COATING

Solvent-borne acrylic resin finishing coating formulated with mica-effect pigments.

APPLICATION AREA:

Designed for the protection of galvanized steel sheet roofs in combination with the Roof Expert MC Primer.

PROPERTIES:

- > Good weather resisting
- > Good resistance against chemical stress
- > Good resistance against mechanical stress



SPREADING RATE: 150 – 170 g/m²/one coat

PACKAGING: 5 kg and 20 kg

COLORS AVAILABLE: according to RAL color chart



3.ADDITIONAL MATERIALS

ROOF EXPERT REFORECE 50

ROOF EXPERT REFORCE 50 is used as reinforcement with the liquid applied waterproofing coating Roof expert AC, Roof Expert PU 510 i Roof expert PU 610.

PROPERTIES:

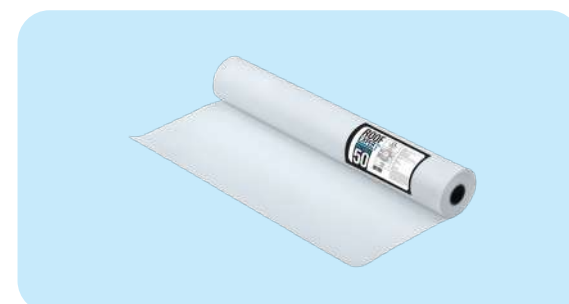
- > Good dimensional stability
- > Excellent resistance to UV light
- > High mechanical strength
- > Chemically inert and non toxic
- > Ensures the correct thickness of waterproofing layer
- > Ensures the crack bridging properties of the waterproofing layer

TECHNICAL DATA:

- > Colour White
- > Weight 50 g/m²
- > Thickness (mm) 0,48
- > Tensile strength N/5cm 160 (longitudinal direction)
- > Tensile strength N/5cm 120 (transverse direction)

PACKAGING:

Rolls in width 100 cm/lengths 50 m, palette 33 rolls=1650 m²



ROOF EXPERT AQUA CLEANER

Alkaline cleaning concentrate.

APPLICATION AREA: Suitable for cleaning weathered, coated surfaces to reactivate the old coating, as well as removal of all kind of contaminations. Mixing Ratio with water 1 : 5 – 1 : 20.

PROPERTIES:

- > VOC-free
- > Biodegradable

SPREADING RATE:

300 ml/m² of mixture

PACKAGING: 5 L



ROOF EXPERT TPO PRIMER

One-component, solvent-based primer.

APPLICATION AREA: Primer for improving adhesion between TPO/FPO membranes and Roof Expert PU coating.

PROPERTIES:

- > One-component - easy and ready to use
- > Low consumption
- > Fast drying - overcoating possible after max 1 hours

SPREADING RATE: 70-140 ml/m²

PACKAGING: 1 L



ROOF EXPERT PVC PRIMER

One-component, solvent-based polyurethane primer.

APPLICATION AREA: Primer for improving adhesion between PVC membranes and Roof Expert PU coating.

PROPERTIES:

- > One-component - easy and ready to use
- > Low consumption
- > Fast curing - overcoating possible after max 2 hours

SPREADING RATE: 70-100 ml/m²

PACKAGING: 1 L







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