

PU 310

PRODUCT DESCRIPTION	Two-component hard-elastic acrylic-polyurethane solvent-based topcoat.
PURPOSE	Top coat for protection and decoration of external and internal concrete floor surfaces exposed to moderate to medium mechanical and chemical wear (terraces, warehouses, production facilities, garages, laboratories, etc.); It is used as a final seal coat in Floor expert EP and PU floor systems.
SVOJSTVA	<ul style="list-style-type: none"> • resistant to wear and to external weather conditions • UV resistant • excellent adhesion to the substrate • easy to clean and maintain by washing • possibility of application on flexible substrates • simple application
DENSITY	Component A: 1.15-1.25 kg / l; Component B: 1.05-1.10 kg / l; Mixture: 1.15-1.20 kg / l
TECHNICAL DATA	<p>Mixing ratio (by mass): Component A : Component B – 84,0 : 16,0</p> <p>Solid content:: By weight: oko 65 % By volume: oko 61 % Pot life: 1,5 h, under standard conditions.</p> <p>Drying/hardening time under standard conditions: dust dry: after approx. 12 hours light foot traffic: after approx. 24 hours full cure: after 7 days</p> <p>Abrasion resistance (Taber abraser, CS 10/1000 okr./1000 g): 70 mg (7 days, 23°C, 60% RVZ).</p>
APPLICATION CONDITIONS	Substrate and air temperature: min. +10 °C; max. +30 °C Relative air humidity: max. 75 %, with adequate ventilation. There must be no condensation. Pay attention to the dew point.
SUBSTRATE QUALITY	Compressive strength: min. 25 N/mm ² Bond strength (pull-off test): min. 1,5 N/mm ² The surface must be dry and clean. Substrate moisture: max. 4%.
SUBSTRATE PREPARATION	Mechanical treatment (grinding and /or blasting) to remove bumps and weakly bound surface layer and surface contamination. The cracks, pores and uneven sections should be filled with suitable material. Remove dust and loose parts by using a vacuum cleaner or brush.

MATERIAL PREPARATION	Stir the component A. Then add component B into component A and mix thoroughly with a mixer with a low speed (max. 400 r / min) until a homogeneous mixture. Then pour the mixture into another container and mix again.			
APPLICATION METHOD	Apply with a short-pilled roller or spray (airless device). The material should be evenly distributed in a thin layer.			
PROTECTION SYSTEMS	Highly absorbent substrates and substrates exposed to moderate to medium loads:			
	Function	Product	Consumption	
	Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²	
	Seal coat	Floor Expert PU 310 (2x)	0,2-0,3 kg/m ²	
	Asphalt, bitumen and other elastic substrates exposed to moderate to medium loads:			
	Function	Product	Consumption	
	Primer	Floor Expert EP 101E (1x)	0,3-0,5 kg/m ²	
Seal coat	Floor Expert PU 310 (2x)	0,2-0,3 kg/m ²		
PACKAGING		Component A	Component B	Enough for:
	6 kg (A +B)	5,04 kg	0,96 kg	24 m ²
	18 kg (A +B)	15,12 kg	2,88 kg	72 m ²
COLOUR RANGE/GLOSS	Standard offer: RAL 7032, RAL 7030, RAL 7035, RAL 7037, RAL 7040; other shades on request. Glossy.			
VOC CATEGORY AND LIMITS	A (j), 500 g / l; the product contains max. 500 g / l.			
STORAGE	In dry and airy rooms in originally sealed containers at temperatures from +5 °C to +25 °C. Shelf life: 18 months			

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