

PRODUCT DESCRIPTION

Two-component pigmented topcoat based on epoxy resin, solvent-free.

PURPOSE

Pigmented topcoat that is applied by roller or trowel for protection and decoration of concrete floor surfaces exposed to moderate to medium heavy mechanical and chemical wear (warehouses, workshops, production facilities, garages, laboratories, exhibition and sales rooms, etc.);
Seal coat in slip resistant systems: garages, manufacturing facilities with so-called "wet processes".

PROPERTIES

- Dry film is resistant to abrasion and resistant to water and chemicals
- Excellent adhesion to the substrate
- Has a short curing time
- It can be applied in thicker layers and filled with quartz sand

DENSITY

Component A: 1,64-1,66 kg/l;

Component B: 1,0 kg/l;

Mixture (A+B): 1,45-1,48 kg/l

TECHNICAL DATA

Mixing ratio (by mass):

Component A: Component B – 80,6 : 19,4 (100 : 24)

Solid content:

By weight: ~100 %

By volume: ~100 %

Pot life: 45 min under standard conditions

Drying/hardening time under standard conditions:

- dust dry: after approx. 12 hours
- light foot traffic: after approx. 24 hours
- full cure: after 7 days

Abrasion resistance

(Taber abraser test, CS 10/1000/1000 g): 60 mg (7 days, 23°C, 60% RAH);

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/mm²
Bond strength (pull-off test): min. 1,5 N/mm²
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 by short-piled roller (crosswise) or notched trowel. Immediately after applying with the notched trowel, cross the surface with a spiked roller in order to equalize the thickness and purge air.

PROTECTION SYSTEMS

Roller coat :

Function	Product	Consumption
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²
Seal coat	Floor Expert EP 311 (2x)	0,4-0,6 kg/m ²

Smooth layer- thickness 1 mm (trowel application):

Function	Product	Consumption
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²
Self-leveling layer	Floor Expert EP 311 (1x)	1,0-1,2 kg/m ²

Seal coat in a slip resistant system (thickness 3,5 to 4,0 mm):

Function	Product	Consumption
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²
Middle layer	Floor Expert EP 211 filled with 0,5 pbw Floor expert quartz 0,1-0,6.	4,0 kg/m ²
Broadcasting*	Floor expert quartz 0,3-0,9	6,0 kg/m ²
Seal coat	Floor Expert EP 311 (1x)	0,7 kg/m ²

*broadcasted on the freshly applied layer until saturation

PACKAGING

	Component A	Component B	Enough for
25 kg (A+B)	20,2 kg	4,8 kg	cca 85 m ² per layer (roller application)

COLOUR RANGE/GLOSS

Standard offer: RAL 7032, RAL 7030, RAL 7035, RAL 7037, RAL 7040; other shades on request. High gloss.

STORAGE

In dry and airy rooms in originally sealed containers at temperatures from +5°C to +25°C.
Shelf life: 24 months