

PRODUCT DESCRIPTION	Two-component self-leveling floor coating based on epoxy resins.
PURPOSE	Self-leveling coating for protection and decoration of concrete floor surfaces and cement glaze exposed to medium to heavy mechanical and chemical wear (warehouses, workshops, production facilities, garages, laboratories, loading ramps, etc.); The broadcast screed system with slip resistant floor surface in garages and production facilities with the so-called "wet" processes
PROPERTIES	<ul style="list-style-type: none"> > Exceptional abrasion resistance and resistance to action of water and chemicals (see table resistance) > Highly fillable with quartz sand (economical protection in thick layers); > Functional layer in systems with slip resistant surface.
DENSITY	<ul style="list-style-type: none"> > Component A: 1,74-1,78 kg/l; > Component B: 1,0 kg/l; > Mixture (A+B)+quartz sand- 1: 0,5: 1,81-1,82 kg/l
TECHNICAL DATA	<p>Mixing ratio (by mass):</p> <ul style="list-style-type: none"> > Component A: Component B - 83,3 : 16,7 (100 : 20) <p>Solid content:</p> <ul style="list-style-type: none"> > By weight: ~100 % > By volume: ~100 % <p>Pot life:</p> <ul style="list-style-type: none"> > 25 min under standard conditions <p>Drying/hardening time under standard conditions:</p> <ul style="list-style-type: none"> > Dust dry: after aprox. 12 hours > Light foot traffic: after aprox. 24 hours > Full cure: after 7 days <p>Abrasion resistance (Taber abraser test, CS 10/1000/1000 g): 60 mg (7 days, 23°C, 60% RAH);</p>
APPLICATION CONDITIONS	<ul style="list-style-type: none"> > 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	<ul style="list-style-type: none"> > 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. Into the mixture (A + B) then add 50% by weight of quartz sand 0.1-0.6 mm and mix for 2 minutes. Then pour the mixture into another container and mix again.
APPLICATION METHOD	Apply by notched trowel (tooth size 4 mm). 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

Smooth layer (layer thickness 1,5 -3,0 mm):

Function	Product	Consumption
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²
Self-levelling screed	Floor Expert EP 211 (A+B) : Quartz sand 0,1-0,6 – 1 : 0,5	2,0 kg/m ² of the mixture per mm of the layer thickness (1,3 kg of the resin mixture; 0,7 kg Quartz sand 0,1-0,6)

Slip resistant surface, layer thickness 4 mm:

Function	Product	Consumption
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²
Self-leveling layer	Floor Expert EP 211 (A+B) : Quartz sand 0,1-0,6 mm – 1 : 0,5	4,0 kg/m ² (2,7 kg of the mixed resin, 1,3 kg Quartz sand 0,1- 0,6 mm)
Broadcasting (until saturation)	Floor expert quartz 0,3-0,9 mm	6,0 kg/m ²
Seal coat	Floor Expert EP 311 (1x)	0,7 kg/m ²

PACKAGING

	Component A	Component B
25 kg (A+B)	20,8 kg	4,2 kg

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

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