

EP 211M

PRODUCT DESCRIPTION	Two-component self-levelling flooring screed based on epoxy resins, solvent-free.
PURPOSE	<ul style="list-style-type: none"> Reinforcing and levelling 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.); Bearing layer in the broadcasted 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 mechanical 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: 1,69-1,72 kg/l; Component B: 1,04 kg/l; Mixture (A+B): 1,53-1,55 kg/l Mixture (A+B) +quartz sand- 1: 0,5: 1,78-1,80 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 ca 12 hours light foot traffic: after ca 24 hours full cure: after 7 days
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	<p>Mechanical treatment (grinding and /or blasting) to remove bumps and weakly bound surface layer and surface contamination.</p> <p>The cracks, pores and uneven sections should be filled with suitable material. Remove dust and loose parts by using a vacuum cleaner or brush.</p>
MATERIAL PREPARATION	<p>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 50-60% by weight of quartz sand and mix for 2 minutes. Then pour the mixture into another container and mix again.</p>
APPLICATION METHOD	<p>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.</p>

PROTECTION SYSTEMS			
Bearing layer in the system of layer thickness 1,0-1,5 mm:			
Function	Product	Consumption	
Prajmer	Floor Expert EP 101 (1x)	0,30-0,50 kg/m ²	
Self-levelling screed of thickness 1,0 mm	Floor Expert EP 211M (A+B) :	1,56 kg/m ² of the mixture (A+B)	
Broadcasting (until saturation) - option	Floor expert quartz 0,1-0,5 or 0,3-0,9 mm (depending on slip resistance requirements).	3,0-4,0 kg/m ²	
Top coat	Floor Expert EP 311 (2x)	0,60 kg/m ²	
Bearing layer in the system of layer thickness 2,0-4,0 mm:			
Function	Product	Consumption	
Prajmer	Floor Expert EP 101 (1x)	0,30-0,50 kg/m ²	
Self-levelling screed	Floor Expert EP 211M (A+B) : Quartz sand 0,1-0,5 – 1 : 0,5	1,81 kg/m ² of the mixture (1,21 kg of the resin (A+B) +0,60 kg of the Quartz sand)/ per 1 mm layer thickness.	
Broadcasting (until saturation) - option	Floor expert quartz 0,3-0,9 mm	4,0-5,0 kg/m ²	
Top coat	Floor Expert EP 311 (2x)	0,60-0,80 kg/m ²	
Bearing layer in the system of layer thickness 4,0-4,5 mm: (slip resistant surface)			
Function	Product	Consumption	
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²	
Self-levelling screed	Floor Expert EP 211M (A+B) : Quartz sand 0,1-0,3: Quartz sand 0,3-0,9 – 1 : 0,30 : 0,30	1,85 kg/m ² of the mixture (1,15 kg of the mixed resin (A+B); 0,69 kg of the Quartz sand mixture)/ per 1 mm layer thickness	
Broadcasting (until saturation)	Floor expert quartz 0,3-0,9 mm	4,5 - 5,0 kg/m ²	
Seal coat	Floor Expert EP 311 (2x)	0,8 kg/m ²	
PACKAGING		Component A	Component B
25 kg (A+B)		20,8 kg	4,2 kg
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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