

EP 101E

PRODUCT DESCRIPTION	Two-component elastic primer based on flexible epoxy resin, solvent-free.
PURPOSE	<ul style="list-style-type: none"> • Priming of asphalt, tarmac and other elastic substrates • Binder for levelling mortars and mortar screeds • Used in FLOOR EXPERT floor systems.
PROPERTIES	<ul style="list-style-type: none"> • elastic, it bridges the cracks in substrate • blocks the moisture in the substrate up to 4% • high bond strength to the substrate • resistant to mechanical load
DENSITY	<ul style="list-style-type: none"> • Component A: 1,25 kg/l; • Component B: 1,0 kg/l; • Mixture (A+B): 1,2 kg/l
TECHNICAL DATA	<p>Mixing ratio (by mass):</p> <ul style="list-style-type: none"> • Component A : Component B – 80 : 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"> • 30 min under standard conditions <p>Drying/hardening time under standard conditions:</p> <ul style="list-style-type: none"> • dust dry: after approx. 10 - 12 hours • foot traffic: after approx. 24 hours
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	The substrate must be firm, stable, without contaminants like dust, oil, grease, tire marks and other substances that could impair adhesion. Remove any contaminants including ingrained or surface dirt or oil with degreaser detergent, thoroughly rinse and allow to dry. Other surfaces including concrete to be treated must be dry and cured for a minimum of 4 weeks. Mechanical treatment (grinding and /or blasting) should be applied 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	As a primer apply by short-piled roller, brush or rubber wiper. The coating should entirely cover the surface. If necessary, apply in two layers. Mortar for smoothing rough surfaces is applied with a rubber trowel or toothed trowel, depending on the thickness

PROTECTION SYSTEMS	Primer:		
	Substrate	Product	Consumption
	Asphalt	Floor Expert EP 101E (1x)	0,30-0,60 kg/m ²
	Epoxy levelling mortar, thickness up to 1 mm:		
	Function	Product	Consumption
	Primer	Floor Expert EP 101E (1x)	0,3-0,6 kg/m ²
	Epoxy mortar	Floor Expert EP 101E : Quartz sand 0,1-0,5 mm - 1 : 0,5	1,45 kg/m ² / (0,97 kg resin (A+B) +0,48 kg quartz sand) /per mm layer
	Epoxy levelling mortar, thickness up to 2 mm:		
	Function	Product	Consumption
	Primer	Floor Expert EP 101E (1x)	0,3-0,6 kg/m ²
	Epoxy levelling mortar	Floor Expert EP 101E : Floor Expert quartz mix - 1 : 1	1,63 kg/m ² / (0,82 kg resin (A+B) +0,81 kg quartz sand) / per mm layer
	Epoxy screed (15-20 mm):		
	Function	Product	Consumption
	Primer	Floor Expert EP 101E (1x)	0,3-0,6 kg/m ²
	Bonding bridge	Floor Expert EP 101E (1x)	0,3-0,5 kg/m ²
Epoxy levelling mortar	Floor Expert EP 101E : Floor Expert quartz mix - 1 : 8	2,2 kg/m ² / per mm layer	
PACKAGING	Component A	Component B	Enough for
20 kg (A+B)	16 kg	4 kg	approx. 50 m ²
COLOUR RANGE/GLOSS	Semi transparent, glossy.		
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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