METOP ENDÜSTRİYEL ZEMİNLER İNŞ. SAN. VE TİC. LTD. ŞTİ
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POLYFILLER / PR 20

Solvent free Epoxy Impregnation Primer

Product description	Low viscosity, solvent free Epoxy resin based, two component clear impregnation primer.
Fields of application	Priming and impregnating of concrete surfaces prior to application of fallowing protection layers. Improves adhesion under following Epoxy products. As a transparent sealer for indoor applications. When filled with additional quartz aggregates, can be used as levelling and scraping mortar.
Colours	Clear
Mixing ratio (by weight)	Component A (Base material) : 71.5 parts Component B (Hardener) : 28.5 parts
Consumption	3.5 - 4 m²/Kg (depending upon the substrate)
Pack size	A two component material with components supplied as separate packages and ready for mix. Component A (Base material) : 10.700 Kg Component B (Hardener) : 4.300 Kg
Storage	In unopened packs, shelf life of 12 months when stored in a cool and dry area.
Properties	• Solvent free. • Odourless formulation, fast to apply. • Easy application. • Low viscosity. • Excellent bond strength. • High mechanical strength. • Good chemical resistance. • It adhere very well to concrete and cement screed. • Prevents excessive dust formation caused by abrasion. • Design to penetrate and seal concrete surfaces. • Fills and seal the surface pores and capillaries. • Not complete protection against chemical attack.
Specific gravity	At 20° C 1.10 ± 0.05 kg/ltr.
Volume solids	100%
Resistance	Good resistance to many industrial chemicals after complete curing. Resists moderate concentrations of inorganic acids, except oxidising agents. Unaffected by petroleum products ranging from sour crude to refined white stocks, all aromatic total range of fuels, animal oils and fats, salt and waste water. Outstanding alkali resistance. Not resistant to phenol, acids of high concentrations, formic and acetic acid.

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Surface preparation	New concrete must be cured for 28 days and have a moisture content of less than 5% before laying with POLYFILLER/PR 20 The substrate must have a minimum, compressive strength of 25 N/mm² and minimum pull off strength of 1.5 N/mm². Substrate should be fine - gripping and solid, free from loose and friable particles, surface laitance, dust, oil, grease, previous coatings. Concrete substrate should be prepared by a suitable sand - blasting technique using either a captive, vacuum blasting machine or similar mechanical means. Small areas where oil or grease persist should be treated with chemical degreaser. Large areas of such contamination must be removed by flame cleaning. All dust and other debris from the preparation process must be removed prior to continuing with the work.
Mixing	POLYFILLER/PR 20 is supplied in pre-weighed packs ready to use on site. Mix the base (A) and hardener (B) components for 2 to 3 minutes until an even colour and consistency is achieved. The use of part packs and mixing by hand must not be permitted.
Application methods	Once mixed, the POLYFILLER/PR 20 must be used at once. Apply the primer directly on to the prepared surfaces to form a continuous film by roller or flat steel trowel. Care shall be taken to ensure that a coverage rate not less than 0.250 Kg/m² per coat is achieved. Avoid over application and puddles. Porous floors may require two coats of primer. The primer should be allowed to cure until it becomes ″tack-free″ before applying the epoxy resin toppings. When maximum waiting times are expected, broadcast dried quarts sand (03 - 05mm) into the surface while the coating is still tacky. Remove excess sand before application of second coat or protective layer. In case of very rough or uneven floor surfaces; it is recommended to level up the surface with POLYFILLER/PR 20 as a scrape coat by adding quarts sand (01 - 03mm) using a flat steel trowel.
Application temperature	Do not apply when temperatures are below 10°C or the relative humidity above 75%. Surface temperature should be min. 3°C above the dew point.
Pot life	At 20°C, 30 minutes. (Higher temperatures shorten pot life.)
Waiting times between coats	Minimum 8 - 10, maximum 18 - 20 hours. If this is not possible, it is recommended to blind the freshly applied material with dried quarts sand (03 - 05mm)
Drying time (At 20°C)	Touch dry: 3 - 4 hours, Hard dry: 24 hours Light traffic 36 hours, full serviceability 7 days.
Cleaning	Tools and equipment should be cleaned in SPECIAL TINER 5.05 immediately after use.