GEMREZ LV RESIN

TDSG4158

DESCRIPTION	Gemrez LV 2:1 is a low viscosity resin system design for use with high levels of aggregate fillers. It exhibits good pot life when mixed with quartz aggregate such as J61W, but with rapid hardness development. It can also be used as a cementitious primer and vapour barrier.
TYPICAL USES	Coving, Screed and Topping resin. Priming cementitious surfaces prior to application of Cove, Screed or toppings. It can also be used as a primer for binding aged and deteriorating concrete floors. Ideal as a vapour barrier for concrete surfaces with moisture content <4.5%. Each mode has specific application requirements detailed in system specifications.
ENVIRONMENT	Interior/Exterior. Imersion with specified topcoats.
PERFORMANCE	It has excellent tolerance to damp surfaces and can cure down to 5°C.
LIMITATIONS	Do not dilute. When using without filler, care should be taken with pot life management.
TECHNICAL DATA	Resin: 2 Componenet Epoxy Solvent: Not Applicable Appearance: Resin –clear liquid, Hardener - amber liquid Thining and Clean Up: Epotec 107 Thinner Potlife: 20 mins @20°C Pack Size: 6,30 and 300Kg Working Time: filled: 2 hours @ 1:9 by weight. Cure to Handle: 1-2 hours unfilled Walk on Time: Overnight @20°C Cure Hard @20°C: 24 hours Shore Hardness: 80 Mixing Ratio: 2:1 Vol Solids: 100 percent Touch Dry: 2 hours @20 Recoat Time: Overnight @20°C Number of Coats: Varies with specification. Theoretical Coverage: 8 m²/Kg/coat Wet Film Thickness: 100 microns Dry Film Thickness: 100 microns
SPREAD RATE	Standard Application: 8 - m²/Kg/coat 10mm Screed: Resin: 0.4 - m²/Kg/coat 5mm Screed: Resin: 0.8 - m²/Kg/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	G4158
MIXING INSTRUCTIONS	Add 1 part hardener to 2 parts base by weight and thoroughly mix. MORTAR: If using Gemrez LV 2:1 as a mortar, mix the resin and hardener component prior to adding J61W. The mix ratio should be 1:8 – 1:10 (1-part mixed resin to 8 – 10 parts quartz filler). If the surface of the floor is rough or badly worn, make trowellable fluid mortar by filling Gemrez LV 2:1 with up to 1:1 in weight of J61W, depending on the roughness of the substrate. Spread a thin coat of mortar over the surface to a feather edge with a straight steel trowel. SCREED: Resin 7.5kg: 60kg Aggregate . Can be trowled from 5-30mm.

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APPLICATION	Upstands: Apply with trowel to create upstands. Screed: Apply with trowel and bar for screed to desired depth. Working time of the product when filled at 1:9 is ~2 hours at 20°C Primer: applied with a roller. Apply 1-2 coats of the product until the pores in the substrate are completely saturated. Application as a vapour barrier is carried out immediately after mixing and using a rake, trowel or roller. Apply the material as an even, fully sealed coat over the surface (300 - 400g/m2) and as required, leave and then roll again. On highly absorbent surfaces, a second coat, or a full scratch coat (400 - 600g/m2) are recommended to ensure a dense surface finish. **BRUSH/ROLLER** 10-13mm nap Wooster pro-dooz **CLEAN UP** EPOTEC 107 Thinner
THINNING	Not recomended
ENVIRONMENTAL	This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

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