



REEPRIME EP550

Moisture Tolerant Primer



APPLICATION

The main field of application is priming and as an adhesion promoter of problematic concrete substrates and poor quality concrete strengthening prior to the application of epoxy, urethane and MMA systems acting as a moisture barrier required when applying moisture sensitive systems.

ADVANTAGES

Excellent adhesion to wet concrete - Very good film surface - Solvent free - without wetting additives - Slightly flexible properties - High mortar strength - Good curing performance at low temperatures - Excellent sealing properties - Good penetration

COLOURS

Clear Only

APPLICATION GUIDELINES

SURFACE PREPARATION

Concrete moisture should not exceed 100%.

The substrate should be clean, free from laitence, oil, grease or other agents which may impair adhesion.

Cleaning techniques may include, acid etching, grinding, light mechanical scabbling, blasting or degreasing, depending on floor contamination.

Existing concrete floors should be sound and free from loose material. Damaged areas should be repaired with a Reepare Mortar prior to the application of Reepime EP550.

TECHNICAL DATA

Mix Viscosity @ 20°C	1100 mPas
Mix Viscosity @ 8°C	1350 mPas
Mixing ratio A-B	2-1 Volume 100-60 weight
Density @ 20°C	1.01 g/cm ³ (approx.)
Flexural Strength	60mPas
Deflection at break	12mm
Tensile Strength	40mPas
Elongation (tensile) %	14
E-Modulus (tensile)	1.8 GPa
H.D.T	46°C
T.G	59°C
Bond strength to concrete	
BN60 7 days cure @ 20°C	
Substrate Wet: 3.6mPas (98% concrete failure)	

Substrate Dry	3.8mPas		
	(100% concrete failure)		
Shelf life in sealed container	12 months		
Storage temperature	Min. 0°C		
	Max. 35°C		
Additional Application Information			
	+10°C	+20°C	+30°C
Pot Life	40 Mins	30 Mins	15 Mins
Waiting time between coats:			
Min	28 Hrs	24 Hrs	12 Hrs
Max	70 Hrs	24 Hrs	24 Hrs
Final Drying times:			
Foot Traffic	2 Days	1 Day	12 Hrs
Lightly Serviceable	3 Days	2 Days	1 Day
Fully Serviceable	7 Days	7 Days	5 Days

NOTE: All the above values are approximate.
Store away from food, Drinks, Animals and Children.

REEPRIME EP550

Moisture Tolerant Primer - Faster Setting Version of EP500 D.C

MIXING INSTRUCTIONS

IT IS IMPERATIVE THAT THE MIXING IS CARRIED OUT IN THE RESIN CONTAINER. Reeprime EP550 is a two-pack system and it is very important to ensure the curing agent and resin are thoroughly mixed together. The entire contents of the curing agent, Component B, should be added to the entire contents of the resin pack, Component A, and stirred thoroughly for 2-3 minutes. Using an electric mixer at low speed 300-400 Revs/min. We recommend to pour the mix into a clean container, pay special attention to scrape sides and base of container, and briefly mix again. This will eliminate soft spots.

Packs should not be split unless accurate weighing or measuring facilities are available. Reeprime EP550 is supplied in pre-weighed units of the correct proportions and no other substances should be added i.e. solvent etc.

Once mixed Reeprime EP550 should be applied immediately.

Reeprime EP550 should be allowed to become tack free prior to the application of Reeflor epoxy systems and touch dry prior to the application of urethanes or MMA resin to eliminate crosslink reaction. In all cases further applications must be carried out within 72 hours.

APPLICATION

Reeprime EP550 is applied to the prepared substrate by roller or brush ensuring continuous film. Avoid over-application and puddles. Porous floors may require two coats of Reeprime EP550.

If Reeprime EP550 is to be used prior to the applications such as screeds wet on dry we recommend to broadcast the surface with dry sand 0.7 - 1.2mm at approximately 100gms m².

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to our Information Data sheet reference TD300.

CLEANING

All brushes, rollers, tools etc. should be cleaned with Reepol Thinners RC4 immediately after use. For hands - soap and water.

PACKAGING

Pack sizes	5kg combined unit
Resin Component A	3.125 Kg
Hardener Component B	1.875 Kg
	16 Kg combined unit

Bulk in 200kg drums	
Resin Component A	200 Kg
Hardener Component B	200 Kg

Coverage	
Standard concrete	350-500 g/m ²
	Single application

HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing are used when using Reeprime EP550. If eyes are affected wash with copious amounts of water and seek medical advice. For hands - wash with soap and water. For full details refer to C.H.I.P data sheet.



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