PRIMER COATING

SILPRIME-EP2®

Solvent-free epoxy resin based primer

JV POLYMERS

innovative coating

SILPRIME-EP2 TDS

Solvent-free epoxy resin based primer

Version date : 1/4/17

DESCRIPTION

SILPRIME-EP2® is a solvent free, low viscosity, two component epoxy based primer
Both winter and summer types can cover diverse weather condition

APPEARANCE AND BENEFITS

- Transparent color and low viscosity
- Easy to apply after mixing
- Excellent bonding strength and penetration performance to substrate

RECOMMENDED USAGE

SILPRIME-EP2 is general primer on substrates such as concrete and cementitious surface with **SILFLOOR** epoxy flooring system and **SILCOTE** waterproofing membrane

CONSUMPTION

The consumption of **SILPRIME-EP2** is between 0.2 to 0.4kg per sqm depending on the condition of the substrate

APPLICATION

- Supplied in 4:1 mixing ratio kits which contain the proper ratio of ingredients
- When mixed base and hardener should be applied immediately
- Pour the hardener contents into the base container and then mix with mechanical drill and paddle at a low speed(300-400 rpm) for 3 minutes
- After mixing, move out into the fresh container and mix another minute
- Recommend to apply with squeegee and roller for spreading appropriately

ORDINARY PACKAGING

Usual packing : 14kg for Base + 3.5kg for Hardener in small round can
16kg for Base + 4kg for Hardener in small square can

SHELF LIFE

The product has a shelf life of 12 months if kept in a dry store in the original, unopened packs
Store in dry, shaded conditions away from sources of heat and ignition

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SURFACE PREPARATION

To get maximum bonding strength and long-term durability, requested sound, clean and dry substrates before **SILPRIME** application

- Previously painted surfaces, old coatings should be tested for lifting. If lifting occurs, remove the coating. Otherwise, scuff sand glossy areas and aged epoxy coatings
- Clean aged epoxy or urethane coatings with suitable cleaner followed by thorough rinsing
- Remove cracked and peeling paint. Prime bare areas with appropriate primer
- All surface preparation the tensile strength of the substrate should exceed 1.5N/mm^2
- The moisture content of the substrate must not exceed 5%

TEST DATA

The values given below are average figures achieved in laboratory tests at 20°C and 25°C
Actual values obtained on site may show minor variations from those quoted

Test Item		Specification	Result	Test method
Curing time(23±2℃)	Touch dry	Max 2 hrs	30 min	KS M 5000:2009
	Dry hard	Max 24 hrs	3 hrs	
Working time		At 20℃	30 min	KS M 6030:2009
Mixed Density		At 20℃	1.14	KS M ISO2811-1:2012
Shore D hardness		After 7 days	84	
Compressive strength		After 28 days	94.5(N/mm^2)	
Tensile strength		After 7 days	67.5(N/mm^2)	
Viscosity		At 20℃	200-400 mPas	
Bond strength		-	>1.8MPa	

SAFETY PRECAUTIONS

As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapors and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Coating must be carried out in well ventilated area. This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.

Customer Service

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