

KERASEAL PS50

Epoxy Solvent Primer



DESCRIPTION

KERASEAL PS50 is two component epoxy based coating system. PRIME SEAL PS50 has low viscosity with deep penetration to improve the surface before application of KERASEAL and KERAGUARD. KERASEAL PS50 is used as primer and sealer for resin based coatings or as dustproof for concrete or other porous mineral substrates.



USE

- As a primer for KERASEAL flooring systems and KERAGUARD corrosion protection systems
- Dustproofing for new and old concrete surfaces
- Clear sealer for concrete floors
- Improve the surface strength of concrete floors



ADVANTAGES

- Low viscosity similar to solvent based primers
- Significantly increases the strength of weak and friable surfaces
- Provides a high mechanical bond between substrate and finishes
- Excellent chemical resistance
- Restores concrete surface strength and durability
- High penetration and glossy finish when used as a dustproof



STORAGE

12 months from date of manufacture, when be stored correctly in original packaging, avoid sunshine, temperature from 20°C - 40°C.



PACKAGING

KERASEAL PS50 is supplied in 9.0 kg per set.

PRODUCT PROPERTIES

Solid content	50%
Working time	20 - 25 mins
Surface drying time (ASTM D1640-14)	≤ 6 hours
Water resistance, after 240 hours (JIS K5400:1990)	Good
Concentration of organic compounds evaporation (VOC) (ISO 11890-1:2007)	≤ 55%
Bond strength (ASTM D4541)	≥ 2.0 Mpa

COVERAGE



On normal concrete surfaces: 0.10 - 0.12 kg/ m²

APPLICATION METHOD



Concrete conditions

The compressive strength of the concrete should be minimum 25 N/ mm². The concrete slab shall be designed to withstand osmotic pressure or reverse osmosis.



Preparation

KERASEAL PS50 must be applied to a clean surface. These should be removed by chemical degreasers and then followed by mechanical preparation to make the surface dry.



Note on application

- Substrate moisture content < 6%
- Min. substrate temperature +15°C
- Max. substrate temperature +39°C
- Maximum relative air humidity 85%



Mixing

Add the Part B to the Part A and mix a further 2-3 minutes until homogeneous. For smaller quantities the mix ratio can be obtained on the product label.



Application

For use as a sealer or dustproof apply a minimum of two coats to give the required coverage. It is suitable for application by brush, short hair roller or airless spray.

For primer applications for KERASEAL and KERAGUARD products normally one coat is sufficient. To optimize the cure rate sufficient ventilation and a temperature above 20°C. Allow 24 hours for initial cure and 7 days for maximum properties.



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CLEANING EQUIPMENT



Clean equipment and tools immediately after use Solvent.

SAFETY PRECAUTIONS



Under normal working practices KERASEAL PS20 are safe to handle and use, but as with all chemical products special precautions should be taken during their handling and use. Where possible, working areas should be well ventilated by providing addition ventilation if required. In poorly ventilated areas vapor protection masks may be necessary.

The working area or materials should not be exposed to naked flames, or excessive heat, absolutely no smoking should be allowed in or around the working area. Avoid contact with the skin and eyes, wear suitable protective clothing and barrier creams on exposed parts. Splashes to the skin should be washed off immediately with soapy water do not use solvents. Splashes to the eyes should be rinsed immediately with plenty of water and seek medical advice.

