

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 808 SEP SILICONE RESIN EMULSION PAINT

DESCRIPTION

PLC 808 SEP is a silicone resin emulsion paint formulated using special silicone resins and mineral fillers to achieve a surface coating that has water-repellent surface and excellent durability under natural weathering. Unlike normal emulsion paints, it has water beading surface property that keeps the surface dry, free from darkening and swelling even after long hours of driving rain. The micro pores on the paint film has excellent water vapour permeability, which allows water vapour to escape through the film and thus no risk of blistering due to substrate dampness while maintaining the excellent protection against carbonation. The substrate will remain permanently dry and thus free from problem related to algae and fungal growth.

RECOMMENDED USES

PLC 808 SEP is a versatile product designed for interior and exterior surfaces. It is suitable for newly plastered surface, old plastered surfaces and previously painted surfaces, recommended for new constructions as well as maintenance and refurbishing of old buildings. It can be painted over plastered cement, stone, bricks, gypsum board, skim coat and concrete surfaces to give a natural inorganic look.

ADVANTAGES

- Excellent dirt, fungal and algae resistance.
- Water repellent – excellent resistant to driving rain due to the water beading surface.
- Adhesion – good adhesion to plaster, concrete and other masonry surfaces.
- Excellent performance old, painted and new surfaces.
- Easy application - simple mixing and application procedures.
- Excellent weathering resistance and colour retention for exterior applications.
- Water Based - No smell and no odour.
- Excellent dirt pick-up resistance
- Breathable – excellent water vapour permeability.

PHYSICAL DATA

Finish	: Matt
No. of Components	: One
Solids	: 60 %
Recommended Thickness	: 75 microns DFT per coat
Theoretical Coverage	: 5m ² /litre per coat
No. of coats recommended	: Two coats
Drying Time	: Touch dry 1 hour Topcoat 6 hours
Packing Size	: 20 litres

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Surface to be coated must be free from oil, grease, or other loose surface contaminants and sufficiently dry. New concrete or plaster must be allowed to cure for at least 14 days prior to application of coatings. For painted surfaces, water jet to remove loosened old emulsion paint before application of new paint. Do not paint on damp surfaces or in the rain.

PRIMER : The most recommended primer is PLC 807 SEP Micro Silicone Emulsion primer. The primer will provide better hydrophobic property to the coating. The abrasive is SURESEAL PS700 Sealer.

MIXING : Even though the material is highly thixotropic and non-settling. Some slight separation might occur after long storage. Mix with power agitator until a homogeneous mixture is obtained.

THINNING : Thin down with not more than 10% of clean water. Excessive thinning will change the thixotropic properties of the formulated coating materials and result in paint film defects.

APPLICATION : **PLC 808 SEP** can be applied by roller, brush or airless spray.

DRYING : Allow to cure for at least 6 hours before re-coating. The drying time will be extended in high humidity or lower temperature.

CLEANING : Clean all tools and equipment with soap and water immediately after use.