



Technical Data Sheet

Sure Prime 883

Bonding Agent/ Primer/ Curing Compound



Product

Sure Prime 883 is an acrylic emulsion bonding agent, primer and curing compound.

Description

Sure Prime 883 is a milky white single component acrylic emulsion. Sure Prime 883 is the recommended primer, bonding agent and curing compound for use with Sure Level range of concrete repair and levelling systems.

Sure Prime 883 is specially formulated to be used with Sure Level products to allow for high bond strength and adhesion of the compound to be substrate. Sure Prime 883 can also be used as a curing compound over concrete repair products to reduce excessive moisture loss and ensure high performance of the mortar.

Recommended Uses

- Bonding agent, primer for Sure Level range of concrete and levelling mortars.
- As a curing compound over Sure Level range of concrete repair products.
- Bonding new to old concrete.
- Sealing concrete surfaces.
- Additive to concrete mortars to enhance performance properties.
- For use in vertical, horizontal or overhead applications.

Features & Benefits

- Can be used internally and externally.
- Resistant to hydrolysis.
- High ultimate bond strength between repair mortar and concrete substrate.
- Non hazardous.

Performance Properties

Solids content by weight	50% Approx
Colour	Milky white
Supply form	Liquid
Specific gravity	1.06g/cm ³
Viscosity 20°C	450-500 cps
Minimum film forming temp	4°C
PH value	9.5-10.0
Solubility	Soluble in water
Frost thaw resistance	Excellent
Chemical resistance	Resists alkalis, mild acids, sulphates, chlorides, sugars.
Dry film colour	Clear

Yields/ Coverage

As a bonding agent	4-5m ² /litre
As a curing agent	4-5m ² /litre

Packaging

Sure Prime 883 is supplied in 5 litre and 20 litre containers.

Application Instructions

Concrete Substrate Preparation

The substrate must be clean, sound and free of dust and loose particles. Cement laitance, oil, grease, mould release oil or curing compound must be removed from concrete surfaces by using wire brush, bush hammer, scabblers, grit blasting or other means. Steel surfaces should be degreased with a suitable solvent or treated by gritblasting.

Steel rebars must also be clean from grease, oil or rust. When repairing spalled or deteriorated concrete, ensure that the concrete has been cut back to sound material. In cases where corrosion is absent, wire brushing to a clean surface is sufficient.

Before applying Sure Prime 883 to very porous substrates, pre-wet the substrate thoroughly to saturate the pores completely with water. During application of Sure Prime 883 the temperature of the substrate should not be below +5°C. To avoid too high surface temperature, it is advised to shadow areas for the period of applications.

If this cannot be achieved use Moisture Barrier.

As a Bonding Agent

Sure Prime 883 is supplied in a form that is ready to use. DO NOT DILUTE WITH WATER. All repairs either vertical or horizontal, should be prepared by saw cutting 10mm around the repair. This avoids thin section or feather edging of the Sure Set repair mortar.

Pre-soak the clean substrate with clean fresh water prior to application of Sure Prime 883. Apply Sure Prime 883 to the damp but not wet concrete substrate using a brush and ensuring the complete surface is covered and wetted out. If the substrate is extremely porous, a second coat of Sure Prime 883 may be required. This second coat may be applied after the first coat has dried (20-30 minutes).

Allow the Sure Prime 883 to reach a tacky consistency, normally 10-20 minutes after application depending on ambient temperatures, prior to the application of the Sure Set repair mortar.

If Sure Prime 883 has dried and is no longer tacky, a fresh coat of Sure Prime 883 should be applied. This will ensure proper adhesion.

For overhead and vertical applications do not apply excessive Sure Prime 883 as this will result in the Sure Set repair mortar slipping in high build applications.

As a Curing Agent

To prevent excessive water loss and rapid drying of the surface on the Sure Set repair mortar, it is advisable to apply Sure Prime 883 over the surface of the repair.

Sure Prime 883 should be applied by brush, roller or spray application immediately after final trowel. It is recommended that Sure Prime 883 be applied in a continuous film over the Sure Set repair mortar.

Sure Prime 883 can be overcoated with the Sure Level range of protective coatings.

As a Priming Agent

In conjunction with all Sure Level Floor Levelling Compound only.

- Mix at a ratio of 5 litres of Sure Prime 883 with 10 litres of water in total making 15 litres for the Priming of all Sure Level Levelling Compounds.
- For priming of all Sure Set repair mortars use undiluted emulsion only.
- For curing agent of all Sure Set repair mortars use undiluted emulsion only.

Precautions

- Do not use Sure Prime 883 in temperatures exceeding 35°C.
- Ensure area to be repaired is not exposed to direct sunlight, rain, wind or frost.
- Do not apply Sure Set repair mortars or Sure Level levellers to unprimed surfaces.
- Do not use at temperatures below 5°C.

Clean Up

Sure Prime 883 should be removed from tools and equipment with clean water immediately after use.

Storage

Sure Prime 883 has a shelf life of approximately 12 months if kept in a cool environment in tightly closed original packaging.

Health & Safety

- Sure Prime 883 is non-toxic and classified as non-hazardous under general health and safety guidelines.
- Sure Prime 883 should not be ingested.
- If contact with eyes or skin occurs, wash immediately with water and seek medical treatment.
- Skin contact should be avoided as Sure Prime 883 is slightly alkaline.
- Protective gloves, glasses and clothing should be worn.
- For more detailed information refer to the Material Safety Data Sheet.

Fire

Sure Prime 883 is non flammable

Part Numbers

- SLL1012 - 20 Litres
- SLL1013 - 5 Litres
- SLL1014 - 1 Litre

