



SERENADE® PRIMER

SOLVENT FREE EPOXY PRIMER

DESCRIPTION

Serenade® Primer is a epoxy based, low viscosity, solvent-free, seamless, two component primer. This epoxy primer is specially formulated to form a tough flexible film.

USES

Serenade® Primer is designed as a primer for **Serenade®** epoxy and polyurethane coatings as well as the broadcast and troweled systems.

ADVANTAGES-SPECIAL FEATURES

Solvent-free.
Low odour.
High chemical and mechanical resistance.
Good adhesion to the substrate.
Excellent penetration to the substrate.

PHYSICAL PROPERTIES

Colour	: Clear
Density	: 1,10 gr/cm ³
Adhesion to concrete	: > 2 N/mm ²
Gel time(100 gr. Mix) @:	25 minutes
Viscosity	: 300±100 mPas @ 25°C
Full cure	: 7 days

CHEMICAL PROPERTIES

Excellent chemical resistance to wide range of chemicals. Please contact SER for specific chemicals.

APPLICATION

SURFACE PREPARATION

The concrete or screed substrate must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues etc., that will inhibit adhesion to the substrate. Remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared, either by scabbling, grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying **Serenade® Primer**. Over watered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using

vacuum equipment.

NOTE: Any joints or cracks in the concrete base where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface and suitably sealed. New concrete slabs must be allowed to cure for at least 21 days.

MIXING

Serenade® Primer components are factory weighed and packaged ready for site mixing. There is no additional material should be added to the product during application. The individual components of the **Serenade® Primer** should be thoroughly stirred before being mixed together. The entire contents of the hardener container (component B) should be poured into the resin container (component A) and the two materials mixed thoroughly for at least 3 minutes using a heavy duty slow speed drill and spiral paddle. Some of the mixed components should be reintroduced back into the hardener container in order to activate any residue and then poured back into the larger mixing vessel and re-mixed for 30 seconds. Mixing in this way will ensure product consistency and that any resin that remains in the containers after application will cure to provide for easier waste disposal.

APPLICATION METHOD

Once mixed, the material should be spread over the floor as self-heating in the container will reduce working time. Apply 200 micron thick **Serenade® Primer** using a brush or short/medium pile roller. One or more coats may be needed to ensure that a uniform coating is achieved and to compensate for differences in surface porosity. Ensure that the second coat is applied within stated recoating interval. If not then intercoat adhesion may be impaired.

If anti-skid surface is required, (while epoxy is still wet) it may be broadcast with aggregate. This can be done by hand or mechanical means. Make sure that the entire surface is completely covered (no shiny spots visible). Allow them to dry. Then sweep off excess aggregate. Sand surface (if required) to desired texture. If broadcast with sand a top-coat over the entire surface will be required if cleanability is important.

All movement joints in the sub-floor must be



carried through the topping and properly sealed. Construction joints and cracks not subject to movement may be overlaid but should the floor move in anyway, these defects will reflect through the system. Isolation joints will need to be allowed for in areas where high thermal movement is anticipated, e.g. around ovens and freezers.

COVERAGE

Average application rate of **Serenade® Primer** is. 250 - 300 gr/m² for each coat. Rough surfaces may need more material

CURING

Serenade® Primer will withstand foot traffic after reaching initial hardness. Heavy traffic and chemicals should not be allowed until after 7 days at 25° C.

CLEANING

Implements must be cleaned immediately after using with Thinner. Fully cured material can only be removed mechanically.

STORAGE

Serenade® Primer can be stored 12 months after date of production in original sealed containers if stored in dry conditions between 5°C to 30°C.

LIMITATIONS-CAUTION

Compressive strength of the concrete should be min. 25 N/mm² and pull-off strength should be min. 1,5 N/mm².

Relative humidity should not exceed 50 % at +10° C and 80 % at +30° C.

Substrate temperature should be between +10° C and +30° C.

Substrate moisture should be less than 5 %.

Substrate temperature should be at least 3° C above dew point.

Substrate and application area should be heated before application at cold weather conditions and the material should be stored at +20° C - +25° C overnight.

All necessary joints should be kept over the coating.

HEALTH AND SAFETY INSTRUCTIONS

Suitable protective clothing, glove, goggle and protective mask that complies with local laws and regulations should be used. Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

DISCLAIMER

The information in this technical data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we can not guarantee anything but the quality of the product itself except written explanations. We reserve the right to change the given data without notice. This technical data sheet is valid until a new one is printed and supersedes all of the former editions. 10/2006

SUPPLY

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