

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/06.09

SURESEAL 411 WB WATER-BORNE EPOXY COATING

DESCRIPTION

SURESEAL 411 WB is a two-component water-borne epoxy coating. It does not contain any organic solvent and free from problems related to strong odour and fire hazard during application. **SURESEAL 411 WB** is suitable for application over metal and mineral surfaces. On concrete surface, it penetrates deep into the surface to ensure tight adhesion to the concrete. It meets the outgas requirements applied to clean room applications for semiconductor plants.

RECOMMENDED USES

SURESEAL 411 WB is highly recommended as a protective and decorative coating for various substrates. It acts as a breathable primer for concrete and mineral surface and as a protective topcoat for both mineral and steel substrate. It can also be used as surface hardener for concrete surfaces to prevent dusting. It is particularly suitable as a hygiene coating for semiconductor, food and pharmaceutical factories, hospitals and areas where extremely clean and hygienic coating is desired. **SURESEAL 411 WB** is available in wide range of colours to suit the requirements for specific clients and architects.

ADVANTAGES

- No odour – application works can be carried out without complete shut down.
- No fire hazard – can be used in areas where solvent-based coatings are not allowed.
- Meets outgas testing requirements for clean room.
- Excellent adhesion to concrete and masonry surfaces.
- Good resistance against mild chemicals.
- Easy to clean – application tools and equipment can be cleaned easily with water after use.
- Environment friendly – Zero VOC content.

CHEMICAL RESISTANCE GUIDE

Exposure	Splash & Spillage	Fumes
Acids	Good	Excellent
Alkali	Excellent	Excellent
Solvents	Very Good	Good
Salt water	Excellent	Excellent
Water	Excellent	Excellent

PHYSICAL DATA

Finish	: Semi-Gloss
Colour	: Refer to colour chart.
Weight Solids	: 60 ± 2 %
No. of Components	: Two
Mixing Ratio	: 9 part of A to 1 part of B by weight
Recommended Thickness	: 100 - 200 microns DFT
Theoretical Coverage	: 4 to 5 m ² /kg or concrete surfaces
No. of coats	: Two or three.
Recommended Recoating Time	: Minimum – 8 hours Maximum – 48 hours
Packing Size	: 10 kg.
Pot life	: 90 to 120 minutes.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : The surface to be coated must be thoroughly cleaned and degreased to ensure that oil, grease and other surface contaminants are removed. Surface dust must be removed using industrial vacuum cleaner. Fins and protrusions shall be removed by stoning, sanding, grinding or grinding. New concrete shall be allowed to cure for at least 28 days before application of **SURESEAL 411 WB**.

MIXING : Stir Part A and Part B thoroughly in their own containers with power mixer, then pour B into Part A in the pre-weighed packing and continue to stir. Mix to a uniform consistency before thinning.

THINNING : Thin not more than 20% with clean water for primer coat on concrete and not more than 10% for topcoats.

APPLICATION : SURESEAL 411 WB can be applied by rollers, brushes or spraying equipment. Make sure sufficient material is applied evenly to the entire surface to ensure maximum penetration. For application in enclosed area, provide sufficient ventilation to ensure proper drying of applied materials.

CURING : In order for the water in the coated film to be released quickly, coated areas must be well ventilated. Coated surface can be open for foot traffic after 24 hours. With good ventilation, topcoats can be applied after 6 to 8 hours.

CAUTION : Insufficient ventilation after application will result in patchiness of dry film.

CLEANING : All application tools and equipment can be water and detergent after use.