



FEATURES

- : FLOORGUARD MB PRIMER is a three component epoxy resin base cement filler designed for a waterproof membrane or a water stop allowing the application of the coatings sensitive to substrate moisture. It no noxious odours, is non flammable and compatible with fresh cement.
- Floorguard MB Primer penetrates deep into the concrete with its ease of application. It improves the subsurface resistance against alkali.
- : Simple application system
- : Can be overcoated with epoxy resin compounds after 24 hours
- : conomical in use and easy to install
- : Waterproof
- : Permeable to water vapour
- : Thermal expansion properties similar to concrete
- : Excellent adhesion to damp and green concrete
- : Excellent early and final mechanical strengths
- : Excellent resistance to water and oil
- : Will not corrode reinforcement
- : Pre-dosed sets
- : Floorguard MB Primer is design used compatible with wet or damp concrete surfaces free from running or ponding water and can be applied to freshly green concrete. It has excellent adhesion to most substrates including brick, masonry, concrete block, concrete and stone.

TECHNICAL INFORMATION

- Type : Epoxy / Polyamine (Chemically crosslinking)
- Color : Grey
- Film appearance : Matt
- Specific gravity : 1.10 ± 0.05
- Solid by volume : 100 %
- Flash point : Not Flammable
- Film Thnickness, Dry (microns) : depend on surface condition
- Film Thnickness, Wet (microns) : depend on surface condition

	Minimum	Maximum	Recommended
Wet film thickness (Microns)	1000	2000	1000
Dry film thickness (Microns)	1000	2000	1000
Practical coverage.	m ² / kg	0.6	0.3
	kg / m ²	1.5	3.0
	m ² / Set	20.0	10.0

Remark : Actual Surface coverage will depend on surface irregularities, Mixing, Application Condition method and technique; as well as the structure and dimensions of the object to be coated.

	25 °C	30 °C	35 °C
Touch dry	Surface dry	6 hrs.	4 hrs.
	Hard dry	20 hrs.	16 hrs.
Full cure	Minimum	24 hrs	24 hrs
	Maximum	7 days	7 days
Potlife	25 mins	20 mins	15 mins

Remark : Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

APPLICATION

Mixing Ratio	Part A	Part B	Part C
Appearance, Color	Liquid Clear	Liquid Brown	Powder Grey
By Weight	3	1.5	20
Packing (kg)	3	1.5	20
Application Method	Trowel		
Diluted by	Water		
Applicator	Steel bladed trowel, Pin rake or Serrated hand trowel, Spiked roller		

: Mix Part A and Part B before mix Part C, strictly follow mix ratio recommendations and stir for 2-3 minutes until the mixture is homogeneous after leave 5 minutes before application.

: Water for cleaning only

APPLICATION SYSTEM

Surface Preparation

Floor

: For New concrete - The concrete prior to laying plastic sheets to block moisture from underground. Then it should be left for curing concrete to solid and dry for about 3-4 weeks. Then, clean the surface free from dust, dirt, grease and most importantly, the surface is completely dry.

(Check moisture content must be less than 10%)

: For Old concrete - To remove the old paint film which loosely adhesion to as much as possible by Scraping with a shovel or Grinding machine to enhance adhesion. Then, clean the surface free from grease and oil with suitable solvent. Before primer coating should clean all surfaces free from dust, dirt, grease and most importantly, the surface is completely dry. (Check moisture content must be less than 10%).

: For Floor Hardener or Surface glossy finish :

: Concrete surface preparation by using dust free captive blasting units, grinding equipment, sand blasting for increase adhesion of coating.

: Inspect the concrete for bug holes void, fin and other imperfections. Protrusions shall be ground smooth while voids shall be filled with Floorguard Putty or other suitable filler and polishing of surface with moltoprene disk.

: After cleaning, repair surface defects and remove deteriorated previous coatings.

(Check moisture content must be less than 10%).

Before Recoat by Topcoat

: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning before coating.

: If over 7 days gives cleaning surface by sand paper no. 320-400 and cleaning surface per SSPC-SP1, Solvent Cleaning before coating.

: Surface repair (cracks, pores, holes) done with TOA Epoxy putty and polishing of surface with moltoprene disk.

Coating System**Paint System for Floor Coating**

: Primer	Floorguard MB Primer	1,000 microns x 2 coats or 2,000 microns x 1 coat
: Intermediate	Floorguard Primer WB	50 microns x 1 coat
: Topcoat	Floorguard 100 WB	50 microns x 2 coats
: Primer	Floorguard MB Primer	1,000 microns x 2 coats or 2,000 microns x 1 coat
: Topcoat	Floorguard 100 or Floorguard PU 100 or Floorguard 1000 SL	50 microns x 2 coats 1000 microns x 1 coat

Paint System for Wall Coating

: Primer	Floorguard MB Primer	1,000 microns x 2 coats or 2,000 microns x 1 coat
: Intermediate	Waterguard 97 Primer	50 microns x 1 coat
: Topcoat	Waterguard 99 Topcoat	50 microns x 2 coats
: Primer	Floorguard MB Primer	1,000 microns x 2 coats or 2,000 microns x 1 coat
: Topcoat	Epoguard Enamel or Topguard	60 microns x 2 coats

Recommendation

- : The proper relative humidity in the work shall not exceed 85% RH.
- : The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate for prevent moisture and water drop on substrate effective adhesion and drying time.

HANDLING AND STORAGE**Storage condition**

- : The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition.

Shelf life

- : 24 months at 30–35 °C
- : The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Package

Packaging size	Part A :	Part B :	Part C :
1 Set	1 Bag	1 Bag	1 Bag

HEALTH AND SAFETY

- : 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.
- : For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Safety Data Sheet.

DISCLAIMER

- : The information in this 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 cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.