

## DMS EP-Primer Epoxy Primer

### Product description

DMS EP-Primer is a 2-component epoxy primer, for priming of various kinds of metals prior to application of cement flooring onboard ships. Alternatively between two layers of cement.

DMS EP-Primer is a very strong and universally applicable, light flowing epoxy primer. The primer has many application areas such as priming over porous substrates, over steel, etc, and provides a good adhesion to hard surfaces and to slippery/smooth surfaces. (Cleaned or new concrete, self-levelling floor screed or other clean, dry and firm substrate)

### Surface preparation

Before the application of DMS EP-Primer there should be a thorough cleaning of the surface, removing all rust, grease, and other contaminations.

### Mixing and application

Components must be carefully weighed, in correct mixing ratio (2:1 w/v) and mixed with suitable mixing equipment, such as a sturdy drill with mixing propeller. When mixture is homogeneous, transfer to other container and mix for another 1-2 minutes.

Avoid leaving mixed components in mixing bucket longer than 15 minutes, as the curing process produces enough heat, to cause accelerated and uncontrolled curing.

Pour mixture onto substrate in puddles and distribute with a plane trowel.

When priming concrete and when using as binder in slurry, fine silica sand can be added (i.e. 0,1-0,3 mm). Use 1 part of the mixed epoxy for 1 part sand.

When using as epoxy mortar/grout, mix with quartz sand, such as 0,3-0,6 mm sand, using the mixing ratio 1 part mixed epoxy to 4-6 parts sand.

The wet primer can be broadcast with quartz sand following the directions for the different types of coatings.

### Technical description

<b>Basis</b>	DMS EP-Primer Comp. A Epoxy-resin, - mix of Bis. A/F resins and reactive thinners DMS EP-Primer Comp. B Epoxy-hardener - mix of epoxy-amines, benzyl alcohol Adduct with Bisphenol A. - no unbound amines
<b>Density</b>	1-1,06 kg/litre
<b>Solids</b>	100%
<b>Viscosity</b>	500-700 Cp. v. 20°C
<b>Hardness/shore D</b>	>70 D after 24 hours at 20°C >80 D after 7 days at 20°C
<b>Potlife</b>	35 minutes at 20°C and 45 minutes at 12°C
<b>Temperature / Air humidity</b>	Do not use below 10°C / Max. 85% RH - observe condensation point
<b>Surface dampness</b>	<5% moisture
<b>Curing time</b>	Initial cure / light walking traffic and 2. coat after 10-20 hours
<b>Adhesion</b>	>1,5 N/mm i.e. always till concrete break, provided clean and firm substrate
<b>MAL-code (DK)</b>	00-5
<b>Mixing ratio</b>	2:1 (A:B) W/v
<b>Theoretical covering ability</b>	6-7 m <sup>2</sup> per litre

**Packaging:** 15 kg sets

**Cleaning:** Tools and equipment have to be cleaned with a solvent.

**Shelf-life:** The shelf-life is min. 24 months in unopened packaging and when stored correctly

For additional technical information, please contact our technical department.

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