



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Epicon DSP Data Sheet

Specification notes

Product: **Epicon DSP**

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Epicon DSP

High Performance Surface Primer

Description

Epicon DSP is a solvent free adhesion promoter for use in difficult conditions where a more conventional primer may not give adequate performance, providing a moisture barrier tack coat to green or damp concrete and as an excellent anti-corrosion protection primer for steel.

Advantages

- Provides a barrier between damp or wet surfaces and moisture sensitive finishing coats such as epoxy and polyurethane floor finishes.
- Offers a high degree of anti-corrosion protection.
- Relatively low viscosity with good working properties.
- Outstanding adhesion to damp concrete or sand blasted steel.
- Slight flexibility.

Applications

- All cementitious substrates including damp/green concrete, allowing the early application of subsequent coatings; including methacrylate waterproof coatings.
- Primer for steel.
- Kiln dried aggregate may be blended with Epicon DSP to produce a levelling screed.
- Chemical resistant primer.
- Suitable for damp or difficult to wet out substrates.

Technical Information

| | |
|---------------------|----------------------------------|
| Type | Solvent free epoxy |
| S.G. | 1.08 |
| Viscosity | 800-1200 cps |
| Gel Time | 130 minutes @ 20°C |
| Coverage | 2-3M ² /kg |
| Flash Point | 76°C |
| Storage Temperature | Between 2-40°C |
| Dry Film Thickness | 300 micron @ 3M ² /kg |

Surface Preparation

Concrete surfaces should be clean, free from oil, grease and chemical contamination.

Steel surfaces should be degreased and blasted to SA2½ to remove rust, scale and oxide layers. Application of the primer to steel should take place immediately after blasting or within 4 hours.

Mixing

Add the contents of the hardener tin to the base and mix thoroughly for approx. 1-3 minutes until homogenous.

Application Instructions

Apply Epicon DSP to the substrate with a stiff bristled brush ensuring that the primer is well worked into the surface. Coverage is 2-3M² per kg depending on surface profile. Allow the primer to become tacky, between 8-24 hours depending on temperature. Once the primer has achieved a tacky state, the subsequent coating/screed should be applied. Normal application temperature is between 5 and 15°C, higher temperature will reduce the time in which the over-coating materials can be applied. Should the primer dry on the surface, a further primer coating should be applied, always allow the primer to become tacky before over-coating.

If the substrate surface is particularly rough then kiln dried aggregate may be blended into the Epicon DSP to produce a resin screed which can be applied to the primed surface wet on wet. Please refer to our technical department for further advice.

Packaging

Epicon DSP is supplied in 5kg and 25kg units.



Storage

Epicon DSP should be stored at normal room temperature. If stored below 10°C the containers should be warmed prior to use as this will greatly aid the mixing procedure. Epicon DSP should always be stored away from foodstuffs and out of the reach of children.

Health and Safety

Epicon DSP, like similar products, is capable of irritating unprotected skin, we therefore recommend the use of a suitable barrier cream and gloves should be worn.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical representatives are available to provide further information and arrange demonstrations.

