

Technical Datasheet



Nufins

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.

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.

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.

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.

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



Packaging

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

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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

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

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