

## Epicon DSP

### High Performance Surface Primer

#### Description

Epicon DSP is a solvent free, adhesion promoter for use in problematic conditions where a more conventional concrete and steel primer may not achieve adequate performance. Facilitates early access and application to substrates with high moisture content or where the presence of a DPM is suspect or absent. Epicon DSP provides a moisture barrier and bond coat to green or damp concrete as well as being an excellent anti-corrosion protector and primer for steel.

#### Advantages

- Damp Surface Primer & moisture suppressant
- Suitable for difficult to wet out substrates
- Provides a barrier between damp surfaces & moisture sensitive finishing coats such as epoxy or polyurethane systems
- Offers anti-corrosion protection & chemical resistance
- Relatively low viscosity with a degree of flexibility
- Outstanding adhesion to green & damp concrete or sand-blasted steel
- Suitable for use on damp or dry substrates

#### Applications

- All cementitious substrates, allowing early application of surface coatings & screeds, including methacrylate waterproof coatings
- Commercial & industrial warehouse floors
- Steel, concrete & timber footbridge decks
- Sports stadia & amenity carparks or mezzanine decks

#### Technical Information

Type	Solvent free epoxy
Specific Gravity	1.08
Viscosity	800-1200 centipoise
Gel time	130 minutes @ 20°C
Coverage	2-3 m <sup>2</sup> per kg
Flash point	76°C
Storage temperature	2-40°C
Dry film thickness	300 micron @ 3 m <sup>2</sup> per kg

#### Surface Preparation

Preparation shall be undertaken to leave clean, sound exposed surfaces, free from chemical contamination, oil, grease, dirt, loose particles, debris and dust, with no standing water.

#### Concrete;

The use of mechanical equipment is recommended to achieve a roughened surface.

#### Steel;

Surfaces should be degreased and blasted to Swedish Standard SA2.5 to remove rust, scale and oxide layers. Application of the primer to steel should take place immediately after blasting or within 4 hours. Galvanised steel should be treated with Mordant Solution and all residues removed before priming.

#### Timber;

Surfaces should be of a roughened nature. Do not use with oily types of timber, including oak and keruing or any timber with oily-type impregnated preservative.

#### Mixing

Mix only full units. The entire contents of the hardener tin should be added to the base and mixed thoroughly using a variable speed drill and helical stirrer for 1-3 minutes until homogenous.

Kiln dried aggregate may be blended with Epicon DSP to produce a levelling screed for decks.

#### Application Instructions

Apply Epicon DSP on to the substrate with a stiff bristled brush ensuring that the primer is worked thoroughly into the surface and any irregularities.

Coverage is 2-3 m<sup>2</sup> per kg depending on surface profile.

Once the primer has achieved a tacky state (between 8 and 24 hours), the subsequent coating or screed should be applied. Normal application temperature is 5°C to 35°C; higher temperatures will reduce application times for subsequent treatments.



## Application Instructions (continued)

If a delay of more than 24 hours is expected to lapse between the priming and the application of subsequent treatments, apply a scatter of 0.3mm nominal kiln dried sand to the wet resin.

If Epicon DSP passes the tacky state and fully cures, a further coat should be applied and allowed to achieve a tacky state before over-coating.

On rough substrates kiln dried aggregate may be blended with mixed Epicon DSP to produce a resin screed which can be applied to the primed surface wet on wet. Please contact to our technical department for further advice.

## Cleaning

Clean all mixing equipment and tools regularly using *Nuwash* and avoid product build up.

## Packaging

Epicon DSP is available in 5kg & 25kg units  
(coverage 2 - 3m<sup>2</sup> per kg)

## Storage

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost. If stored below 10°C the containers should be warmed prior to use as this will greatly aid the mixing procedure.

## 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.

## Limitations

Minimum application temperature is 5°C. If stored below 10°C, containers should be warmed prior to use. This will greatly assist mixing and curing.

## 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.