



Elladur™ SF Deco BC

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DESCRIPTION

Elladur™ SF Deco BC is a multi-component Polyaspartic/Polyurea type fast-cure floor system which utilises coloured quartz aggregates to provide a decorative flooring finish. The Elladur™ SF Deco BC system provides a solvent free and very low odour flooring solution which enables a rapid return to service. The unique formulation allows for a durable and light stable system which can be utilised in numerous industrial and commercial environments.

ADVANTAGES

- Decorative and functional surfaces
- Fast curing at low temperature
- High build
- UV stable
- Very low VOC
- Tough but flexible
- Can be applied onto a wide range of substrates

RECOMMENDED USES

- Where high-build UV stable coatings are required
- Areas where fast turnaround but high performance finishes are required at low temperature.
- Medical, Commercial and Light Industrial Applications
- Decorative floors
- Domestic areas
- Retail Areas
- Car parks

PRODUCT INFORMATION

System Thickness (Recommended) 1—1.5 mm

Solids Content by Weight Refer to individual product datasheets.

Pack Sizes Refer to individual product datasheets.

Pack Make Up Refer to individual product datasheets.

Shelf Life Refer to individual product datasheets.

Storage Refer to individual product datasheets.

APPLICATION INFORMATION at 20°C

Products	Elladur SF (Coloured)	Elladur SF Clear*
Coverage Rate (Theoretical)	5kg will cover between 6 to 20m ² depending on the applied thickness	5kg pack will cover 18-30m ² depending on applied thickness
Pot Life	25-30 minutes	20-30 minutes
Recoating Intervals	2-3 hours or once surface has lost tackiness (maximum 8 hours)	3-4 hours or once surface has lost tackiness
Light Traffic	4-5 hours	4-5 hours per coat
Full Traffic	8-10 hours	8-10 hours
Full Chemical Cure	7 days	7 days

*Elladur SF OS Clear can be used for fast tracking with light traffic in 2 hours.



Specification

Product : Elladur™ SF Deco BC

Finish : Matt or Gloss (depending on requirements)

Recommended Thickness range : 1-1.5mm

Colour : Refer to individual product datasheets.

Products required for this system

System : Elladur™ SF Deco BC

Primer : Elladur™ SF can be used as primer at 100 microns on dry substrates, if required use R.S. Dampshield FH on surfaces where moisture levels are an issue. Please refer to preparation section

Base System : Elladur™ SF

Surface Seal : Elladur™ SF Clear

Optional Finish Coat: Resupen WB Clear (satin finish), Resupen WB Matt Clear (matt finish) or Resupen SPD Clear/ Clear Matt (for fast tracking)

Preparation

New Concrete Floors: New concrete must be clean, sound, dry and fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm² is required.

Timber Floors: Must be clean, sound, dry . Old clear varnish/topcoat must be removed/sanded prior to application, as it may affect the inter-coat adhesion with **Elladur™ SF**.

Existing Concrete Floors: Remove all dirt, oil, grease, old paints or any or other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing. Local repairs should be carried out using **Resupatch** or **Resuscreed 45**.

Existing Floors (previously coated)

All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed, then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with existing floor coating.

Where over-coating other systems such as epoxy coatings or screeds, as part of a specified composite system in the data sheets, please follow the recoat time as stated in the individual data sheets, the coating in each stage should be tack free, but not fully cured. If fully cured then mechanical preparation is required to ensure intercoat adhesion.

Where **Elladur SF Deco BC** is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

Priming

Elladur™ SF Deco BC may be applied direct to concrete or as a seal coat or top coat to a resin floor system specified in our datasheets where a primer is not required. When applied direct to porous substrates the surface may require priming. Dry surfaces may be primed with **Elladur™ SF**.

Where the Relative Humidity of the substrate exceeds 75% **R.S. Dampshield FH** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table.

<u>ERH%</u>	<u>Required Coating Thickness</u>
75-85	1 coat of R.S.DAMPSHIELD FH at 200 microns per coat
85-92	2 coats of R.S.DAMPSHIELD FH at 200 microns per coat
92-97	3 coats of R.S.DAMPSHIELD FH at 200 microns per coat

Application

Please refer to RSL application instruction guide

It is important to ensure that the recoat times are observed, with a maximum recoat of 8 hrs measured at air temperature of 20°C and relative humidity of 50% . For other conditions please consult with our technical team.

It is strongly recommended to apply second coat as soon as the first coat has lost the tackiness to achieve the maximum adhesion. If the maximum recoating interval is exceeded then surface must be prepared and roughened to ensure intercoat adhesion.

Application Conditions

Substrate Temperature 2 - 30°C

Note: Due to viscosity increase at lower temperatures application, use brushes or rubber blade to spread the coating and then back roll it if required to achieve proper coverage rate.

Relative Humidity up to 90 %

In case of application at lower temperature, DO NOT store the material at cold condition as it will affect the material viscosity and flow. Make sure material are kept at specified storage condition prior

Category Guide

FeRFA Category : 3

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

Slip Resistance Dry > 50

Method BS7976 pt1-3 2002

Wet Contact Sherwin-Williams for further information.

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult Sherwin-Williams.

Temperature Resistance Tolerant of sustained temperatures of up to 70°C

Chemical Resistance Very good chemical resistance. Consult Sherwin-Williams for specific materials.

VOC Refer to individual product datasheets.

Life Expectancy 3-5 years depending on applied thickness and subjected to traffic according to FeRFA classification. Sherwin-Williams terms and conditions will apply.

Maintenance and Cleaning

Sherwin-Williams recommend that **Elladur™ SF Deco BC** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising a soft bristle brush and **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover**, **R.S. Fats, Oils and Grease Remover** & **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the Sherwin-Williams Guide to Cleaning of Resin Floors

Health and Safety

Elladur™ SF Deco BC is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.

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