



REF : ELDEF 2016 11

Elladur™ Deco FL

DESCRIPTION

Elladur™ Deco FL is a multi-component Polyaspartic/Polyurea fast-cure floor system which utilises coloured flakes to provide a decorative flooring system. Elladur™ Deco FL provides a solvent free very low odour flooring solution which enables a rapid return to service. The unique Polyaspartic 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 even at low temperature
- High build
- UV stable
- Very Low odour
- Low VOC
- Tough but flexible
- Can be applied onto a wide range of substrates.

RECOMMENDED USES

- Where a high-build UV stable system is required
- Areas where fast turnaround but high performance finishes are required
- Medical, commercial and light Industrial
- Decorative floor areas
- Domestic areas
- Retail spaces

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
1-1.5mm	N/A	Multi component system refer to individual data sheet	Multi component System refer to individual product data sheets	12 months in sealed containers	Keep out of direct sunlight Store in a dry Place Between 15-30 C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
See specification sheets	N/A	2-3 hours or once surface has lost tackiness	5-6 Hours From completion of the system	8-10 hrs From completion of the system	7 days

Specification

Product : Elladur™ Deco FL

Finish : Matt or Gloss

Thickness : 300 microns base coat, Clear Seal 200 microns
System nominal 1 - 1.5 mm

Colour : Multi coloured decorative finish

Products required for this system

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

Base System : Elladur™ SF Colour

Surface Seal : Elladur™ SF Clear & Resupen WB clear

Preparation

Floors must be clean, sound, dry and fully cured and surface laitance removed, preferably by shot blasting or mechanical abrasion.

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

Where the Relative Humidity of a concrete exceeds 75% **RS 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	1coat of R.S.DAMPSHIELD F at 200 microns per coat
85-92	2coats of R.S.DAMPSHIELD F at 200 microns per coat
92-97	3coats of R.S.DAMPSHIELD F at 200 microns per coat

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 Colour**.

Existing Concrete Floors: Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification 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 43**.

Existing Floors (previously coated)

Where over-coating other systems such as epoxy coatings or screeds, as part of a specified composite system, these should be tack free, but not fully cured.

Where **Elladur™ SF Colour** 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™ Deco FL may be applied direct to concrete or as a seal coat to resin floor systems 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 Clear**. Where the relative humidity moisture content is above 75% **R.S. Dampshield F** should be used. The number coats required will be dictated by the relative humidity established.

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.

Application Conditions

Temperature 2 - 30°C

Relative Humidity up to 90 %

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 Elladur™ SF Clear
Method BS7976 pt1-3 2002 Wet - Please consult RSL

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 RSL.

Abrasion Resistance n/a
Method BS8204 /ASTM D4060

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

Chemical Resistance Good. Consult RSL for further details

Compressive Strength n/a

Flexural Strength n/a

Tensile Strength n/a

VOC Please refer to product data sheet

Calculation based on a full mixed unit

Life Expectancy 3-5 years plus depending on thickness when subjected to industrial traffic RSL terms and conditions will apply

CE Marking Information is provided on the individual component data sheets

Maintenance and Cleaning

RSL recommend that **Elladur™ Deco FL** 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 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 RSL Guide to Cleaning of Resin Floors

Health and Safety

Elladur™ Deco FL s 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 Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited 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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