

## Elladur™ LM



**Elladur™ LM** is a high-build Polyaspartic/polyurea fast-cure line marking floor coating based on advanced materials, designed to provide colour and durable gloss finish in a range of thicknesses. Elladur™ LM is light stable with very good chemical resistance and can be applied to a variety of surfaces. Additional slip resistance can be created by incorporating suitable aggregates.

Pageitect SF41 may be used as a hard wearing coloured floor coating in areas such as factories, warehouses, plant and storerooms where high resistance against chemical attack is required. Also used as a line marker in demarcation areas.

### Advantages

- ✓ Fast curing at low temperature
- ✓ High build
- ✓ UV stable
- ✓ Very Low odour
- ✓ Tough but flexible
- ✓ Can be applied onto a wide range of substrates
- ✓ Can be used in Commercial and industrial

### Recommended Uses

- ✓ Where high-build UV stable coatings are required
- ✓ Areas where fast turnaround but high performance finishes are required
- ✓ Medical, Commercial and Industrial Floor areas
- ✓ Decorative floors
- ✓ Domestic areas

### Products required for this system

Primer : Elladur™ SF can be used as primer at 100 microns on dry substrates or use RS Dampshield F on surfaces where moisture levels are an issue. Primer should always be used on a prepared surface.

On a prepared surface	
Prime	Elladur SF Colour as required
System	Elladur™ LM
Surface Seal	N/A

Product Info.	
Recommend System thickness (dry)	500 microns to 1 mm (Per coat)
Solids content by weight	100%
Pack sizes	2.5 kg
Pack make up	1 X Base 1 X Hardener
Shelf life	12 months in sealed containers
Storage	Keep out of direct sunlight/store in a dry place between 15-30 oC
Coverage rate	25 linear meters per 2.5kg unit at 500 microns thickness & 100mm wide
Pot life	25-30 minutes after mixing
Recoat time	2-3 hours or once surface has lost tackiness
Light traffic	2-3 Hours
Full traffic	2-4 hrs
Full chemical cure	7 days

Specification	
Finish	Gloss
Thickness range	500 microns -1mm
Colour	Coloured / refer to RSL colour chart

## 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 vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm<sup>2</sup> is required.

Where the Relative Humidity of a concrete exceeds 75% RS Dampshield F 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:

ERH%	Required Coating Thickness
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 <sup>TM</sup> LM

## 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 45.

## 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 cured. If fully cured then mechanical preparation is required.

Where Elladur<sup>TM</sup> LM is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not dislodge surface. Where surfaces are found to be porous a primer coat such as Elladur<sup>TM</sup> SF Colour should be used to achieve a uniform sealed surface.

## Priming

Elladur<sup>TM</sup> LM may be applied to an existing resin floor systems where a primer is not required. When applied direct to porous substrates such as concrete the surface must be primed with Elladur<sup>TM</sup> SF Colour to ensure good adhesion to the surface. Where the substrate moisture is above 75% ERH 1 or more coats of R.S. Dampshield F should be used depending on the relative humidity.

## Application

Please refer to RSL application instruction guide. It is important that the recoat times are observed, with a maximum recoat of 8 hours.

Application Conditions:

Substrate Temperature 2 – 30oC  
Relative Humidity up to 90 %

Technical Information: The following figures are obtained from laboratory tests and our experience with this product:	
Slip Resistance Method BS7976 pt1-3 2002	SF – Dry 50 coloured SF – 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 Method BS8204 /ASTM D4060	Please refer to CE section wear resistance
Temperature Resistance	Tolerant of sustained temperatures of up to 70oC
Chemical Resistance	Very Good. Consult RSL for further info
Compressive Strength	N/A
Flexural Strength	N/A
Tensile Strength	N/A
VOC	<30 g/l
Life Expectancy	Calculation based on a full mixed unit 2-4 years, depends on total thickness, Subjected to traffic RSL terms and conditions will apply

### Maintenance and Cleaning

RSL recommend that Elladur™ LM should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising a soft bristle brush 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. 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™ LM 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 provided without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specific information 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

