



## UNIFLOOR SL

Product Code: Part A  
Part B

### Product Description

UNIFLOOR-SL self-leveling flooring system is based on epoxy resin and curing agent giving the low viscosity characteristics necessary to wet the graded fine aggregates and also giving good leveling property. UNIFLOOR-SL creates a smooth, seamless, high gloss, durable flooring system whilst available in a wide range of color.

### Intended Used

- As a colorful topcoat for flooring systems.
- Factory, aerospace, processing area, engineering area, laboratory and showroom.
- Decorative high performance screed with chemical resistance and ease of cleaning.

### Features

- A high gloss finished.
- Smooth, seamless.
- Easy to clean and not cause an accumulation of bacteria.
- Excellent resistance to corrosion, abrasion, chemical attack and other destructive conditions.

### Product Information

<b>Solids by Volume :</b>	100%
<b>Color :</b>	Available by catalog
<b>Specific gravity :</b>	1.4 ± 1.00
<b>Finish :</b>	Gloss
<b>Applied Thickness :</b>	1-2 mm
<b>Pot life :</b>	30 min
<b>Mixing ratio(by weight) :</b>	Part A : Part B = 4 : 1
<b>Drying time @25°C</b>	<b>Touch dry :</b> 8-10 hours
	<b>Hard dry :</b> 24 hours
	<b>Fully cure :</b> 7 days

### Application Detail

Pour part B into A, mix by low speed mixer for 1 min or until homogenous. Pour the mixed on the primed surface, spread the material by steel trowel or squeegee to the required thickness. Use spike rooler to release entrained air and level the surface then allow to cure.

Recommended application system : UNIPRIME 50 – 100 microns as primer  
UNIFLOOR – SL 1 - 2 mm as topcoat

### Performance Data (at 7 days age)

Bond strength :	0.99	N/mm <sup>2</sup>
Bond strength by slant shear :	> 10	N/ mm <sup>2</sup>
Compressive strength :	102.49	N/ mm <sup>2</sup>
Tensile strength :	9.67	N/ mm <sup>2</sup>
Elongation at break :	1.64%	
Abrasion resistance :	0.01 g.	(loss weight)
Hardness (Durometer) :	70	(Shore D)



## Performance Data (at 7 days age)

Chemical resistance

UNIFLOOR-SL can resist to various chemicals e.g. :

- Sodium hydroxide
- Sodium hypochloride 10%
- Hydrochloric acid 10%
- Sulfuric acid 10%
- Ethanol 99%
- Acetic acid 10%
- MIBK
- Xylene

## Surface preparation

The concrete surfaces to be coated should be sound dry, clean, and free from dust, rust, oil, grease, paint or other contaminations. Any cracks, seams and honey comb should be repaired prior to coat. Green concrete should not be coated, new concrete floors should be left for a minimum of 28 days before coating. Concrete and associated surface which have been prepared by abrasive methods (i.e.scabbing grit blasting) should be primed with UNIPRIME (allowing 3-4 hours to cure before over coating). UNIFLOOR-SL should not be applied on the surface known to suffer from underground moisture.

## Packaging

25 kg/set (Part A = 20 kg, Part B = 5 kg) and

4 kg/set (Part A = 3.2 kg, Part B = 0.8 kg)

## Storage

Store in a cool dry place, protect from direct sunlight.

## Shelf life

12 months when store in dry condition and properly closed container.

## Safety Instruction

Always wear the appropriate safety goggles. Breathing protection, clothing and gloves during the handling of any epoxy resins and hardener. Do not smoke. Work with adequate ventilation during application. Store all materials in a cool, well-ventilated and dry place, and away from direct sunlight. Properly dispose all used containers and excess material in accordance to the local governing safety rules and regulations. Full information about health, safety and environment of this product are provided in the Materials Safety Data Sheet.

## Disclaimer

The information given here is true, represent our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. All products should be used in accordance with the Manufacturer's instructions. No responsibility can be taken by the manufacturer where conditions of use are beyond our control. It is the responsibility of the user to obtain the most up-to-date datasheet which supersedes all previous literature. For additional information or questions, contact our sales representative.