

# Denpur™ SLR Flex UV

Pigmented Self-levelling PU resin

## DESCRIPTION

**Denpur™ SLR Flex UV** is a solvent free, middle viscosity, two component polyurethane resin based self-levelling floor coating.

## FEATURES AND BENEFITS

- Wear Resistant floor coating
- Crack bridging floor coating
- Easy to apply
- Excellent bond to substrate

## FIELDS OF APPLICATION

Floor coating for indoor use. Typically in office buildings, hospitals and other public buildings. For comfort floors.

## SUBSTRATE PREPARATION

All substrates must be structurally sound, clean and dry and free from oil, grease and loose material and any other contamination which might impair adhesion.

The substrate should be primed with a primer such as **Denpur™ LVP** prior to application. Can also be used on top of **Denpur™ SD** membranes for comfort floors.

The tensile strength of the substrate should exceed 1.5MPa. The residual moisture content should be less than 4%.

**Denpur™ SLR Flex UV** should be applied when substrate temperatures are constant or falling to minimise the risk bubble and void formation due to expansion of air within the substrate

when temperatures are rising. This is particularly important to note on external applications.

The curing reactions are influenced by the ambient, material and substrate temperatures. Low temperatures lengthen the pot life, open- and curing times. High temperatures shorten pot life, open- and curing times.

The temperatures should not fall below the minimum stated until the material is fully cured. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least a further 24 hours (at 15°C).

## APPLICATION

**Denpur™ SLR Flex UV** is supplied in prepacked units. Before mixing, **Denpur™ SLR Flex UV** should be homogenized by gentle stirring. precondition both A and B components to a temperature of approximately 15 to 20°C.

Pour the entire contents of part B into the container of part A. Mix with a low speed (ca.300 rpm) electric drill and paddle for at least 3 minutes until homogeneous. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Keep the mixing head submerged to avoid entrapping air. Do not work out of the original container. Decant the mixed material into a fresh container and remix for another minute.

**Denpur™ SLR Flex UV** is applied by squeegee and subsequently spike rolled.

## CONSUMPTION

**Denpur™ SLR Flex UV** Typically 1,5-4,5 kg/m<sup>2</sup> depending on build thickness.

## CLEANING AGENT

Tools must be cleaned immediately after use with **Dencoat™ Tool Cleaner** or other suitable solvent.

## PACKAGING

**Denpur™ SLR Flex UV** is supplied in 14 kg, units. **Denpur™ SLR Flex UV** is used with **Denpur™ UV Hardener** in appropriate quantity.

## SHELF LIFE

Minimum 12 months stored in original containers under dry conditions at a temperature between 15-20°C. Do not expose to direct sunlight.

## Technical data for Liquid material

Property	Method	Values
Mixing Ratio A:B		14 kg : 5 kg
Mixed density		1.42 kg/l
Mixed Viscosity at 23°C	Brookfield DV-II	3000 cP
Working time at 23°C		30 minutes
Ready for traffic at 23°C		24 hours
Fully cured 23°C		7 days
Substrate temperature		Min 5°C max 30°C
Max relative humidity		Max 85%

## Technical data cured material

Property	Method	Values
Thickness		1-3 mm
SHORE A hardness	DIN 53505	80
Tensile strength	DIN 53504	
Elongation at Break	DIN 53504	>100%
Crack bridging ability		1 mm
Temperature resistance		Max 90°C
Water penetration		Impervious
Chemical Resistance		See separate datasheet
Adhesion to concrete	BS/EN 24614	>1.5 MPa
Abrasion resistance (Taber)	EN 1504-2	<50 mg
Impact resistance	EN 1504-2	Class II
Fire classification	EN 1504-2	B <sub>fl</sub> - s <sub>1</sub>



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SLR Flex UV - 001

EN 13813 SR-AR1-B1,5-IR4

Synthetic resins for internal uses  
(Application in accordance with the newest technical information)

Reaction to fire:	B <sub>fl</sub> - s <sub>1</sub>
Release of corrosive substances (Synthetic Resin Screed):	SR
Water permeability:	NPD <sup>2)</sup>
Wear resistance (Abrasion Resistance):	< AR 1 <sup>3)</sup>
Bond strength:	> B 1,5
Impact resistance:	< IR 4
Sound insulation:	NPD <sup>2)</sup>
Sound absorption:	NPD <sup>2)</sup>
Thermal resistance:	NPD <sup>2)</sup>
Chemical resistance:	NPD <sup>2)</sup>

## CE-labelling

- 1) Last two digits of the year in which the ce marking was affixed.
- 2) NPD = No performance determined.
- 3) Refers to a smooth surface without broadcasting.

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