

SureFloor UVS Epoxy

Description :

SureFloor UVS is a high gloss, low viscosity, solvent free polymer system designed for application as a hard wearing surface over concrete. Integrating the newest technology, **SureFloor UVS** combines the ease of application of epoxies with the toughness and wear resistance of acrylics. Containing no solvents, **SureFloor UVS** offers a safe alternative to conventional solvent based materials as well as being resistant to ultra violet degradation for internal behind window applications.

Advantages:

- Solvent free, clear or coloured system
- Low viscosity
- Excellent abrasion and scratch resistance
- Low temperature cure

Usages:

- Protection & enhancement of polished or ground concrete
- Clear sealer over vinyl flake flooring
- Hardwearing , coloured sealers

Engineering data:

Shore D hardness	50
Abrasion resistance Taber (1000 cycles 1 kilo weight clear coating)	
CS-17 μm loss	39
H22 μm loss	168
Compressive strength MPa	50
Tensile strength MPa	44
elongation %	18
Application temperature	5°C - 30°C
Tg DSC °C ultimate	48°C (typical)
VOC content	< 30 grams / litre

Application data:

Mix ratio by volume	2 resin to 1 hardener
Work Time	15 - 30 minutes
Tack free	4 to 6 hours depending on Hardener selection
Re coat time @25°C	6 - 24 hours
Application rate	6 - 7 m ² / litre per coat
Film thickness	150 μm per coat
Light Traffic	24 hours 25°C
Cure time	7 days

Application instructions :

SureFloor UVS should not be specified for external or in direct (not screened by glass) sunlight application. Concrete surfaces should be clean and free of additives, curing agents and contaminates. Prepare by diamond grinding, track or light shot blast to provide a suitable surface profile.

Cement based substrates should be at least 21 days old before coating.

Test for rising damp or back water pressure before application as adhesion failure is likely to occur. Old concrete floors previously contaminated with fats and oils should be tested for adhesion before application of epoxy compounds.

SureFloor UVS is not chemically resistant to food acids or hot chicken fat in processing areas. High humidity or drops in temperature in 4°C around the dew point may cause whitening of the surface.

Notice :

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