

SUREFLOOR UHS EPOXY TECHNICAL DATA

Solventless, 100% Epoxy Floor Coating

PRODUCT DESCRIPTION

SureFloor UHS is a solventless, 100% solids, two component, heavy duty epoxy floor coating. For use over concrete floors and drains where protection from corrosion and chemical attack is required. It is recommended for use in the food, beverage, oil, chemical, automotive, marine, fertiliser, manufacturing and mining industries, and in hospitals, schools and kitchens.

BENEFITS:

Adhesion

SureFloor UHS has excellent adhesion to concrete and other substrates.

Chemical Resistance

SureFloor UHS is resistant to a range of dilute acids, alkalis, salts and solvents. The treated surface eliminates dusting and is readily cleaned.

Solvent Free

SureFloor UHS contains no volatile solvents thus minimising any problems of odour contamination.

Non-Slip

SureFloor UHS can be applied using the 'spread and sprinkle' technique to produce non-slip surfaces for maximum safety.

Hygienic

SureFloor UHS is seam-free, waterproof and does not support bacterial growth and is readily cleaned.

SPECIFICATION:

Primer

Not normally needed to assist adhesion, however, Multi Purpose Primer may be needed on porous concrete to overcome pin-holing in the first coat of SureFloor UHS.

Recommended Thickness

Recommended dry film thickness of SureFloor UHS is 340-450 microns.

Application Rate

SureFloor UHS should be applied in two coats at rates of 4-5 m²/L (0.2-0.25 L/m²) and 5-7 m²/L respectively.

Colour

Standard colours are white, beige and grey.

Non-Slip Additive

Silica sand (30-60 mesh or 60-100 mesh) can be broadcast into the first coat of SureFloor UHS while still wet. When the first coat is set, remove the excess sand prior to application of the final coat of SureFloor UHS.

LIMITATIONS:

SureFloor UHS is not suitable for exterior use, or other areas of high UV radiation exposure, without a light stable finish coat (consult a Con-Treat Products Manager).

Avoid working in conditions that could cause condensation to form on the uncured coating (i.e. high humidity or when the temperature is close to the dew point) as it can interfere with subsequent intercoat adhesion. If the surface is affected in this manner it will require "roughing" prior to re-coating.

Dry Time and Recoat Time

Dry time and recoat time will depend on temperature, however, as a guide at 20°C, summer-grade material will be tack free within 24 hours while winter-grade material will be tack free within 10 hours. Should the material not be recoated within 24 hours, the surface will require abrasion or solvent washing to reactivate the surface prior to recoating.

Storage of Materials

Do not store the product at temperatures below 0°C. Unopened containers have a shelf life of 12 months at 24°C.

Safety

Refer to Material Safety Data Sheets. Avoid skin contact. Mix in a ventilated area.

Typical Wet Properties

Density	- Comp A: 1.68 – 1.74 kg/L - Comp B: 1.00 – 1.04 kg/L
Solids	- Comp A: 100% by volume - Comp B: 100% by volume
Flash Point	- 100°C
Theoretical Coverage	- 1mm m ² /L
Theoretical ApplicationRate	- @ 0.45mm dft): 0.45 L/m ²
Pack Size	- Comp A: 20 kg (about 12 L) - Comp B: 4 kg (about 4 L)
Viscosity	- Comp A: 25,000 – 35,000 cps - Comp B: 450 – 900 cps
Appearance	- Comp A: Coloured paste - Comp B: Water-white liquid

CHEMICAL RESISTANCE

ACIDS

Acetic Acid	NR R
20% Hydrochloric Acid	R
5% Nitric Acid	R
10% Nitric Acid	NR
10% Oxalic Acid	NR

ALKALIES

Ammonia	R
Sodium Hydroxide	R

SALTS

Sodium Chloride	R
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SOLVENTS

Acetone	NR
Butanol	LR
Ethanol	LR
Glycerol	R
Methanol	NR
Benzene/Xylene	LR
Heptane	NR
Methylene Chloride	NR
Cyclohexane	R

MISCELLANEOUS

Wine	R
Water @ 20°C.	R
Water @ 40°C.	LR
Water @ 80°C.	NR
Silicone Oil	R
Phenol	NR
Kerosene	R
Formaldehyde	R
Diesel Oil	R
Crude Oil	R
Caster Oil	R
White Spirit	R
Vegetable Oils	R
Petrol	R
Mineral Oils	R
Jet Fuel	R
Hydraulic Fluid	LR
Amines	NR

Legend

NR = Not recommended

LR = Limited resistance (suitable for short time exposure)

R = Resistant (suitable for long term exposure)