

SUREFLOOR HS EPOXY TECHNICAL DATA

High Solids Epoxy Coating

PRODUCT DESCRIPTION

SureFloor HS is a two-part high solids 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 warehousing industries. Suitable for all types of vehicular traffic, including forklifts, trucks and trailers.

BENEFITS:

Adhesion

SureFloor HS has excellent adhesion to concrete, steel and timber and will bond to damp concrete (check with Con-Treat Pty Ltd).

Chemical Resistance

SureFloor HS provides excellent chemical resistance to a range of dilute acids, alkalis and solvents. The treated surface eliminates dusting and is readily cleaned.

Non-slip

The surface appearance is of "orange peel" and effects a degree of non-slip for most dry applications. For high traffic and wet areas anti-skid should be added to suit.

Hygienic

SureFloor HS is seam free, does not support bacterial growth and is readily cleaned.

Durable

SureFloor HS is a heavy duty coating offering excellent abrasion resistance.

SPECIFICATION:

Primer - SurePrime

Not normally required, however exceptional adhesion will be achieved with it's use.

Recommended Thickness

Recommended dry film thickness of SureFloor HS is 125 microns.

Application Rate

Mixing Ratio is 3:1 by volume.

SureFloor HS should be applied in two coats at rates of 4-6 m²/L first coat and 6-8 m²/L second coat.

Colour

A standard range of colours is available – see colour chart.

Special and safety colours are available – minimum quantities may apply.

Non-Slip Additive

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

Clean Up

Tools and equipment may be cleaned before hardening commences by washing with Con-Treat's Clean Up Solvent. Do not use for cleaning hands or mixing with product.

LIMITATIONS:

SureFloor HS 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 recoating.

Dry Time and Recoat Time

Tack free time at 25°C is approx. 6 hours.

Recoating time at 25°C is approx 14-20 hours.

Cure Time

At 25°C product will fully cure within seven days. Foot trafficable after 24 hours and suitable for fork-lift traffic after 72 hours. Avoid exposure to chemicals before full cure. Maximum operating temperatures should be up to 60°C.

Storage of Materials

Do not store product at temperatures below 0°C. Unopened containers have a shelf life of 12 months at 25°C.

Safety

Refer to Material Safety Data Sheets. Avoid skin contact. Mix and apply with adequate fresh ventilation. Contents are flammable. Keep away from fire or naked flame. If swallowed call a Doctor or Poisons

Information Centre.

Best results are achieved by approved applicators.

Refer to Applicators Bulletin for preparation, mixing and application details.

TDG Code

SureFloor HS PART A UN 1993

SureFloor HS PART B UN 1760

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 |
|-----------------|---|

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)