

SURE TREAD 2000

Low viscosity, solvent free, water based primer for two pack epoxy resin flooring systems.

Description

Sure Tread 2000 is a two part, solvent free water based, lightly coloured epoxy resin system specifically formulated for flooring usages. This material is used to prime substrates for two pack epoxy flooring systems. Sure Tread 2000 is lightly batch tinted to ease usage and ensure full coverage

Uses.

As a roll on primer for subsequent over coating in the

- ✓ Food processing industries
- ✓ Chemicals/Pharmaceutical Industries
- ✓ Process areas e.g. beverages, bottling areas, dairies etc
- ✓ Power stations
- ✓ Plastics Industries
- ✓ Laboratories
- ✓ Clean rooms
- ✓ Exhibition Halls
- ✓ Showrooms
- ✓ Washrooms
- ✓ Warehouses
- ✓ Hangars
- ✓ Motor repair shops

For use on substrates such as

- ✓ Mortars
 - ✓ Concrete
 - ✓ Stone
 - ✓ Epoxy modified mortars
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Advantages

- ✓ Good mechanical properties
- ✓ Good chemical resistance
- ✓ High bond strength
- ✓ Good penetration
- ✓ Coloured to ensure coverage

- ✓ Waterproof
- ✓ Solvent free
- ✓ Multi use

Product Data

Part A	Coloured viscous liquid
Part B	Viscous fawny liquid

Packaging

Part A	3.25Kg in a 5L pail
Part B	1.10Kg in a 1L plastic bottle

Storage and shelf life

Twelve months in sealed original packaging, when stored in dry conditions between 5C and 30C.

Specific gravity (@20C)

Part A	1.10Kg/L
Part B	1.02 Kg/L
Mixed A+B	1.10 Kg/L typically

Mixing Ratios

	Part A	Part B
By mass	3	1

Reaction Rate

	10C	20C	30C
Working time	60mins	30mins	15mins
Trafficable (foot)	24hrs	12 hrs	6hrs
Light traffic	5 days	5 days	48hrs
Full cure	10 days	7 days	5 days

Mechanical Data

Compressive strength	70Mpa
Shore D hardness	83
Vicat softening point	50C continuous
Abrasion resistance	< 60mg Taber Abrader

Chemical Resistance

Test duration 10 days immersion.

Test Group		
1	91 grade petrol	B
2	Diesel fuel	A
3	Alcohols	B
4	Esters and Ketones	C
5	10% Acetic acid 20%Acetic acid	A+D B+D
6	Amines	C
7	Aliphatic aldehydes	A
8	Aqueous surfactants	A
9	20% Caustic soda	A
10	20% Sulphuric acid	A

Key

A=Resistant. Minor loss of hardness, no swelling, no debonding.

B=Limited resistance. Moderate loss of hardness, some swelling
No debonding, no bubbling.

C=Not recommended. Loss of hardness. Loss of adhesion. Swelling.

D=Loss of gloss and possible discolouration.

Floor Coating Systems

Primer Sure Tread 2000

Material Consumption Primer 100-200g/m² dependent upon the substrate

Application Conditions

Surface Preparation

- Surfaces must be **clean, dry** and free from all traces of loose material, dust and any other surface contaminants, such as oil, grease, fats, chemicals, rust paints etc. The substrate should have a compressive strength of at least 1.5Mpa and a moisture content below 10%.
- Structurally unsound layers and surface contaminants must be mechanically removed by abrasive grinding.
- Remove high spots and fully expose blowholes and voids. Sure Tread 2000 may be used with kiln dry sands to make a trowelable repair mortar. Contact your supplier for advice, or see the formulation sheet for proven methods.
- Substrates heavily oil contaminated must be cleaned by torching or suitable solvent cleaning methods. To check that the area is free from oil

contamination water dropped on the surface should be absorbed immediately and not ball up.

Mixing

- Prior to mixing, premix part A thoroughly. Add all of Part B (resin) and mix both components thoroughly with a low speed electric mixer for a minimum of 4 minutes, until a uniform mix has been achieved.

Application

- Apply the mixed Sure Tread 2000 onto the prepared surface using either brushes or short nap rollers.
- Pin holing is minimized by application onto substrates that are either falling in temperature or are at a steady temperature.
- Checking application rates is best achieved by marking off an area equivalent to the use of a full kit (A+B) Wet film gauges may also be used on the uncured product.

Cleaning

- All tools may be cleaned immediately after use with MPA or water.
- Cured Sure Tread 2000 may only be removed mechanically
- Wash soiled hands and skin immediately with hot soapy water.
- Immediately remove any soiled garments
- The use of barrier cream is highly recommended during application.

IMPORTANT NOTES

- ✓ **Minimum air temperature +10C**
- ✓ **Minimum substrate temperature +10C**
- ✓ **Maximum air temperature +30C**
- ✓ **Maximum substrate temperature +30C**
- ✓ **Maximum air humidity 85%RH**

Health and Safety Instructions

Protective measures

- **Protective gloves**
- **Goggles**

- **Barrier cream**
- **Change clothes and wash hands before breaks and after finishing work**
- **Observe the health and safety advice on the packaging labels**
- **Do not smoke or drink whilst applying**

Transportation

Sure Tread 2000 Part B is classified as hazardous for transportation. Avoid spillages into the environment. Haz. Class 9 UN 3082, packing group III

Sure Tread 2000 Part A is classified as hazardous for transportation Haz Class 3, sub group 8, UN No 2924, Packaging group III.

Sure Tread 2000 Part C is not classified as hazardous for transportation.

Disposal

All empty containers and used brushes and rollers must be disposed of in accordance with local requirements. Fully cured material may be disposed of via landfill under agreement with the responsible local authorities.

Detailed health and safety information as well as detailed precautionary measures are given on the corresponding health and safety information sheet.