



TECHNICAL DATASHEET

FLOOR-TECH S.F.U.

Two Component Solvent Free Polyurethane Coating



Thortex Floor-Tech S.F.U. is a high performance, low viscosity solvent free polyurethane coating designed for use as a multipurpose sealer for porous surfaces.

Thortex Floor-Tech S.F.U. is based on a unique blend of high molecular weight polyols and urethane polymers, which have been specially selected to provide the optimum level of penetration, adhesion and overcoatability.

Thortex Floor-Tech S.F.U. has simple mixing and application properties combined with fast curing and rapid overcoating capabilities and is therefore an ideal priming system for porous, uneven or worn floor areas prior to the application of Thortex Polyurethane floor finishes to provide long-term protection to industrial floors and other surfaces operating in the most aggressive environments.

Before proceeding please read the following information carefully to ensure that the correct proper application procedure is fully understood.

SURFACE PREPARATION

All surfaces must be clean, dry and free from oil, grease and loose material.

New Concrete: Surfaces should be lightly abrasive blast cleaned, scarified or mechanically abraded to remove laitence. Resultant dust and debris should be removed by sweeping or vacuum cleaning.

Existing Concrete: Surfaces should first be high pressure detergent washed to remove all dirt, oil and grease. Heavy oil contamination may require sweating and burning out. Surfaces should be prepared by abrasive blasting or scarifying. All dust and resulting debris should be removed by sweeping or vacuum cleaning.

Note: All concrete surfaces must have a moisture content of less than 7%.

Other Surfaces: Surfaces should be thoroughly degreased then abraded with any resulting dust being removed by vacuum cleaning.

MIXING

Thortex Floor-Tech S.F.U. is a two component material comprising base and activator components, which must be mixed together prior to use.

Stir the base component, continue stirring whilst adding all the contents of the activator component and mix until homogeneous.

The mixed material must be used within 30 minutes of mixing at 20°C (68°F).

APPLICATION

Thortex Floor-Tech S.F.U. should not be applied when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.

Thortex Floor-Tech S.F.U. should be applied to the prepared surface by stiff brush, squeegee or roller to give a uniform even coating taking care to avoid excessive build up and ponding. On rough, pitted surfaces the product should be worked into the surface to ensure complete wetting of the substrate.

When used as a primer for the **Thortex Car Park Decking System**, **Thortex Floor-Tech S.F.U.** should be applied at 500 microns (20mils) wft and then blinded with 0.6mm dry silica sand.

All equipment must be cleaned IMMEDIATELY after use with **Thortex Universal Cleaner**.

Theoretical Coverage Rate

10 m²/litre at 100 microns dft. (108 ft²/litre at 4 mils dft).
2 m²/litre at 500 microns dft (22ft²/litre at 20 mils dft).

Recommended Film Thickness

Wet/Dry 100 microns (4 mils) - normal floor coatings
Wet/Dry 500 microns (20 mils) - Car Park Decking

Detailed working Recommendations are available from the Technical Centre on request.

PHYSICAL CONSTANTS

Mixing Ratio 2 parts base to 1 part activator by volume.

Appearance Base Pale Straw Coloured Clear Liquid
Activator Dark Brown Liquid

Drying & Cure Times at 20°C(68°F)

Usable Life	30 Mins
Touch Dry	3 Hours
Hard Dry	5-6 Hours
Minimum Overcoating	3 Hours
Maximum Overcoating	24 Hours
Full Cure	7 Days

Volume Solids 100%

V.O.C. Nil

Shelf Life Use within 2 years of purchase.
Store in original sealed containers at temperatures of between 5°C (40°F) and 30°C (86°F).

Food Contact Meets U.S.D.A. requirements for incidental food contact.
Meets FDA Requirements CFR 21.175.300 for food contact.
Canadian Food Inspection Agency - Accepted Product.

HEALTH AND SAFETY

As long as normal good practice is observed **Thortex Floor-Tech S.F.U.** can be safely used.

Protective gloves should be worn.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

PACKAGING

Supplied in 3 and 15 litre packs.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests.



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FOR FURTHER INFORMATION PLEASE CONTACT