

FLOOR-TECH P.U.

Single Component Solvent Based Moisture Cured Flexible Coating

Thortex Floor-Tech P.U. is a high performance flexible coating designed for use as a high build coating system for internal and external floors.

Thortex Floor-Tech P.U. is based on a unique blend of aliphatic resins reinforced with color stable and chemical resistant pigments to produce a coating which offers a tough durable finish with excellent abrasion, impact and UV resistance.

Thortex Floor-Tech P.U. is simple and easy to use and can be applied to any floor surface in combination with the appropriate primer and is ideal for the long term protection of balconies, car parks, driveways, industrial floors, warehouse areas, showrooms or any areas where a flexible floor finish is required.

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

SURFACE PREPARATION

All surfaces should be clean, dry and free from contaminants. Concrete surfaces should have all surface laitence removed by mechanical means e.g. light abrasive blasting or grinding and all resultant dust or debris swept away.

Porous Surfaces: including concrete, timber and certain types of asphalt should be primed with **Thortex Floor-Tech F.B. Primer** in accordance with the Product Tech Sheet.

Non Porous Surfaces: including quarry tiles, power floated concrete and certain types of asphalt should be primed with **Thortex Uni-Tech G.P. Primer** in accordance with the Product Tech Sheet.

Previously Coated Surfaces: Any loose/flaking material must be removed. Surfaces should then be thoroughly cleaned and abraded then primed with **Thortex Uni-Tech G.P. Primer** in accordance with the product tech sheet.

If in doubt about the choice of primer consult the **Thortex Technical Department**.

MIXING

Thortex Floor-Tech P.U. is a single component material and should only require stirring prior to use to incorporate any slight separation.

APPLICATION

On external applications provided the prepared surface is dry and free from condensation or ice **Thortex Floor-Tech P.U.** can be applied at temperatures down to 0°C with no restriction on dew point or relative humidity. However, **Thortex Floor-Tech P.U.** should not be applied during rain / snow or when precipitation is likely to occur before the coating has achieved a 'touch dry' state.

Thortex Floor-Tech P.U. can be applied by brush or roller.

For brush application good quality stiff bristled brushes should be used. The **Thortex Floor-Tech P.U.** should be applied to give a uniform coating thickness.

For roller application medium to long pile rollers should be used with the product being applied to give a uniform coating thickness.

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

Theoretical Coverage Rate64.5 ft²/liter at 4 mils dft**Typical Film Thickness**

Wet 7 mils

Dry 4 mils

Detailed working recommendations are available from the Technical Center on request.

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Viscous Colored Liquid.

Drying & Cure Times at 68°F

Touch Dry	2 hours
Hard Dry (Foot Traffic)	16 hours
Minimum Overcoating	16 hours
Full Cure	7 days

Volume Solids 60%

V.O.C. 276 gms/liter

Shelf Life Use within 12 months of purchase. Store in original sealed at temperatures between 40°F and 86°F.

Food Contact Meets USDA requirements for incidental food contact.

PHYSICAL PROPERTIES

Abrasion Resistance ADTM D4060	130 mgm weight loss per 1000 cycles
Adhesion (Concrete) ASTM D4541	500 psi concrete failure
Elongation ASTM D412	200%
Impact Resistance ASTM D2794	13.5 J (120 inch/lbs)
Tear Strength ASTM D624	71.6 kg/cm (400 pli)
Tensile Strength ASTM D412	3000 psi

HEALTH AND SAFETY

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

Good ventilation should be provided in confined areas.

The use of protective gloves is advisable during use.

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

PACKAGING

Supplied in 5 and 20 liter units

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