



WALL-TECH P.U.

Single Component Solvent Based Moisture Cured Flexible Coating

Thortex Wall-Tech P.U. is a high performance highly flexible coating system specifically designed for use on HPS200 plastisol and other internal and external surfaces.

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

Thortex Wall-Tech P.U. has been tested by British Steel/CORUS for use on Colorcoat® HPS200.

Thortex Wall-Tech P.U. carries a manufacturers 10 year warranty against external exposure, chalking or deterioration of the correctly applied system. In accordance with the relevant System Recommendation as issued by the Thortex Technical Department.

Thortex Wall-Tech P.U. does not require a primer on HPS 200 and can be applied directly onto the prepared and clean surface.

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 loose material.

Plastisol Surfaces - should be detergent cleaned to remove dirt and grime. Loose flaking material must be removed back to a sound edge. Exposed metal surfaces should now be patch primed with **Thortex Corro-Tech A.P. Primer**.

Tiled and Existing Coated Surfaces - should be primed with **Thortex Uni-Tech G.P. Primer** in accordance with the product tech sheet.

Porous Surfaces - should be primed with **Thortex Floor-Tech F.B. Primer** in accordance with the product tech sheet.

MIXING

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

APPLICATION

Provided the prepared surface is dry and free from condensation or ice **Thortex Wall-Tech P.U.** can be applied at temperatures down to 0°C with no restriction on relative humidity. However, **Thortex Wall-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 Wall-Tech P.U. can be applied by brush, roller or airless spray.

For brush application good quality stiff bristled brushes should be used. The **Thortex Wall-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.

For airless spray application the typical settings are:-
Tip pressure 2500 - 3000 psi, Tip size 13 - 17 thou.

Thortex Wall-Tech P.U. may require thinning for spray application depending on equipment being used when up to 10% by volume of **Thortex Polyurethane Thinner** should be added.

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

Theoretical Coverage Rate

8 m²/litre at 75 microns dft (86 ft²/litre at 3 mils dft)

Typical Film Thickness

Wet 125 microns (5 mils)

Dry 75 microns (3 mils)

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

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Viscous Coloured Liquid.

Drying & Cure

| | | |
|----------------------|---------------------|----------|
| Times at 20°C | Touch Dry | 4 hours |
| | Rainfall Resistant | 4 hours |
| | Minimum Overcoating | 16 hours |
| | Full Cure | 7 days |

Volume Solids 60%

V.O.C. 290 gms/litre

Shelf Life Use within 12 months of date of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).

PHYSICAL PROPERTIES

| | |
|-----------------------------------|----------------------------------|
| Elongation | 200% |
| ASTMD412 | |
| Tear Strength | 71.6kg/cm (400 pli) |
| ASTMD624 | |
| Tensile Strength | 210kg/cm ² (3000 psi) |
| ASTMD412 | |
| Water Vapour Permeability | 2.87 x 10 ⁻⁴ perm.cm |
| ASTMD1653 | |
| British Steel 2mm | Excellent Adhesion |
| Cross-Scribe/Erichson Draw | |
| Test on HPS 200 Plastisol | |
| Coated Sheet. | |

HEALTH AND SAFETY

As long as normal good practice is observed **Thortex Wall-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 litre 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