



REPAIR AND PROTECTION TECHNOLOGY

TX910/0806

# TECHNICAL DATA SHEET



## WALL-TECH F.P.

### Single Component Water-Based Weatherproofing Coating

**Thortex Wall-Tech F.P.** is a high performance flexible anti carbonation protection system for external walls.

The **Thortex Wall-Tech F.P.** formulation contains a complex blend of acrylic resins and aliphatic hydrocarbon polymers reinforced with abrasion resistant pigments and fillers to produce a system which offers outstanding weatherproofing properties with optimum levels of UV resistance, flexibility, adhesion and durability for exterior masonry surfaces including concrete, plaster, brick and asbestos cement.

**Thortex Wall-Tech F.P.** is microporous allowing the substrate to breathe, but has excellent resistance to carbon dioxide permeation and reduces the likelihood of carbonation. The system also provides excellent long term resistance to dirt pick up.

**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 other contamination. Any areas of moss or lichen growth should be cleaned then treated with **Thortex Fungicidal Wash**.

Any surfaces contaminated with dirt, oil or grease should be detergent pressure washed and allowed to dry. Surfaces should then be swept free of all dust and loose materials.

#### MIXING

**Thortex Wall-Tech F.P.** is supplied ready for use and requires no mixing, however stirring the product to incorporate any slight separation is advised before use.

#### APPLICATION

**Thortex Wall-Tech F.P.** should not be applied below 5°C, when rain is falling, or rainfall is imminent, or when humidity exceeds 90%. In winter months due consideration must be given to the early onset of condensation formation in early afternoon and application must be discontinued well before this time.

Wall surfaces do not normally require priming, however on certain very porous surfaces the application of a 'sealer coat' of **Thortex Wall-Tech FP** thinned 10-15% to ensure a uniform finish is achieved.

**Brush and Roller Application:** **Thortex Wall-Tech F.P.** should be applied using good quality brushes and medium pile rollers, to give an even coating. On rough surfaces, the **Thortex Wall-Tech F.P.** should be worked into the surface to ensure complete coverage.

**Spray Application:** **Thortex Wall-Tech F.P.** can be applied by airless spray with a spray pressure of 2000psi. The spray tip should be 11-15 thou orifice. No thinning of the product is required for spray application.

**Thortex Wall-Tech FP** should be applied to achieve a total dry film thickness of 250-300 microns, this will require two coats by brush or one coat by spray.

All equipment must be cleaned with water IMMEDIATELY after use, stubborn deposits can be removed using **Thortex Universal Cleaner**.

#### Theoretical Coverage Rate

3 m<sup>2</sup> / litre at 200 microns dft (32.3 ft<sup>2</sup> / litre at 8 mils dft)

#### Recommended Dry Film Thickness

200-250 microns (8-10 mils)

Detailed working recommendations are available from the Technical Centre on request

**PHYSICAL CONSTANTS**

<b>Mixing Ratio</b>	Supplied read for use.	
<b>Appearance</b>	Coloured Thixotropic Liquid.	
<b>Drying &amp; Cure times at 20°C</b>	Touch Dry	30 minutes
	Minimum Overcoating	2 hours
	Maximum Overcoating	Indefinite providing surfaces are clean.
<b>Volume Solids</b>	60%	
<b>V.O.C.</b>	Nil	
<b>Shelf Life</b>	Use within 2 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).	

**PHYSICAL PROPERTIES**

<b>Direct Pull Adhesion</b> ASTMD4541	28 kg/cm <sup>2</sup> (400 psi) - concrete failure
<b>Water Vapour Permeability</b> ASTME96-95	1.035 x 10 <sup>-4</sup> perm.cm
<b>Tensile Strength</b> ASTMD412	56kg/cm <sup>2</sup> (800 psi)
<b>Elongation</b> ASTMD412	100%
<b>Tear Strength</b> ASTMD624	12.34 kg/cm (69 pli) unreinforced
<b>Water Vapour Transmission</b> ASTME96-95	5.73 gm/hour/m <sup>2</sup>
<b>Carbon Dioxide Diffusion</b> Taywood Method	R(m)=129

FOR FURTHER INFORMATION PLEASE CONTACT

**HEALTH AND SAFETY**

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

Vapour masks should be worn for spray application.

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

**PACKAGING**

Supplied in 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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