



# TECHNICAL DATA SHEET

## WALL-TECH HF

### Single Component Water Based Flexible Wall Coating



**Thortex Wall-Tech HF** is a high performance acrylic coating designed for use either as a hygienic bacteria and mould resistant high build coating for internal cementitious and plaster surfaces.

**Thortex Wall-Tech HF** is based on a unique blend of flexible acrylic resins reinforced with inorganic fillers and pigments to produce a system with excellent elastomeric and mould resistant properties with optimum level of UV resistance, adhesion, durability and crack bridging properties.

**Thortex Wall-Tech HF** is simple and easy to use and can be applied to any surface and is ideal for the long term protection of internal walls, ceilings, and previously painted structures.

**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 contamination.

**Render and Plaster:** Very porous surfaces should be sealed with a thinned coat of **Thortex Wall-Tech HF**, smooth dense surfaces do not need a sealer coat. When used as a sealer coat Thortex Wall-Tech HF should be thinned 30% with clean water.

**Previously Coated Surfaces:** Provided the coatings are firmly adhered to the substrate then light abrasion of the surface will be sufficient. Where the coating is loosely adhered, such areas should have all poorly adhering coating removed to a sound edge, which should be feathered in.

### MIXING

**Thortex Wall-Tech HF** is a single component material supplied ready for use and should only require stirring with a slow speed mechanical mixer prior to use to incorporate any slight separation.

### APPLICATION

Application should not be carried out at temperatures below 7°C nor when relative humidity exceeds 85% or when the surfaces to be coated is less than 3°C above the dew point.

**Thortex Wall-Tech HF** can be applied by brush, roller or spray.

For brush application good quality stiff bristled brushes should be used.

For roller application medium to long pile rollers should be used.

For airless spray, heavy duty equipment (ideally 60:1 pump ratio) fitted with a 19-21 thou spray tip and a tip pressure of 2500 psi should be used.

**Thortex Wall-Tech HF** should normally be applied at a nominal dft of 100 microns (4 mils). Where two coats are required, the first coat should be allowed to dry to the touch (approximately 30 minutes depending on substrate) prior to the second coat being applied.

All equipment should be cleaned IMMEDIATELY after use with clean water, any stubborn deposits can be removed with **Thortex Universal Cleaner**.

### Theoretical Coverage Rate

5.5m<sup>2</sup>/litre at 100 microns dft (59ft<sup>2</sup>/litre at 4 mils dft).

### Typical Film Thickness

Wet 180 microns (7 mils)

Dry 100 microns (4 mils)

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

**PHYSICAL CONSTANTS**

**Mixing Ratio** Supplied ready for use.

**Appearance** Viscous Coloured Liquid.

**Drying & Cure**

<b>Times at</b>	*Touch Dry	30 minutes
<b>20°C (68°F)</b>	*Minimum Overcoating	30 minutes
	Hard Dry	24 hours
	Full Cure	7 days

\* These drying times are for well ventilated areas with good air movement. In enclosed areas with high humidity on poor air movement the times will be extended.

**Volume Solids** 60%

**V.O.C.** Nil

**Food Contact** Meets USDA requirements for incidental food contact.  
Meets FDA CFR 21.175.300 requirements for incidental food contact.

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

**HEALTH AND SAFETY**

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

When spraying **Thortex Wall-Tech HF** the use of vapour masks is advisable.

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 20 litre units

FOR FURTHER INFORMATION PLEASE CONTACT

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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