



TECHNICAL DATA SHEET

WALL-TECH F.S.

Decorative Wall Protection System

Thortex Wall-Tech F.S. is a multi-coat flaked system for use on most wall surfaces.

Thortex Wall-Tech F.S. is based on a liquid applied coloured base coat in to which flakes are scattered to give a pleasing multicoloured finish. The system is then sealed with a special water based colour stable clear finish.

The special resin matrix of **Thortex Wall-Tech F.S.** system provides an abrasion resistant durable wall protection system.

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

SURFACE PREPARATION

Thortex Wall-Tech F.S. systems will usually be applied in conjunction with **Thortex Wall-Tech H.F.** and surfaces should be prepared in accordance with the **Thortex Wall-Tech H.F.** tech sheets.

NOTE: When applying a **Thortex Wall-Tech H.F.** based system onto a porous concrete surface, the prepared concrete should first be sealed with **Thortex Wall-Tech B.S.**

Thortex Wall-Tech F.S. systems can also be applied in conjunction with **Thortex Wall-Tech W.B.** For detailed recommendations consult the Thortex Technical Centre.

APPLYING THE SYSTEM

Application should not be carried out when air and surface temperatures are below 10°C nor when the relative humidity exceeds 75%.

Thortex Wall-Tech H.F. should be applied by brush or roller and be liberally applied, application by medium pile rollers gives the best results.

Thortex Wall-Tech H.F. should be spread evenly over the surface to give a film thickness of nominally 100 microns (4 mil) wet. Periodic thickness checks should be made to ensure the correct uniform thickness is achieved.

Immediately after application of the **Thortex Wall-Tech H.F.** and within 15 minutes of application, **Thortex Wall-Tech F.S. Flakes** should be sprayed onto the surface using a hopper spray gun with an input pressure of 5-10 psi to completely obliterate the coated surface. This equates to a spreading rate of 300 gm per square metre.

When the system is dry, after a minimum of 2 hours depending on drying conditions, the surface should be swept with a hand brush to remove excess flakes and 'de-nib' the surface.

Surfaces should now be sealed with **Thortex Wall-Tech U.V. Clear.**

On smooth surfaces, two coats of **Thortex Wall-Tech U.V. Clear** are required to seal the surface and give a durable system.

On rough uneven surfaces, or surfaces subject to heavy abrasion, three coats of **Thortex Wall-Tech U.V. Clear** will be required.

The first coat of **Thortex Wall-Tech U.V. Clear** should be applied at a spreading rate of 8m²/litre and the second/third coat at 10m²/litre.

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

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

PHYSICAL CONSTANTS

Refer to individual product tech sheets.

PHYSICAL PROPERTIES

Abrasion Resistance 70 mgm loss per 1000 cycles - 1 kg

ASTM D4060 load-CS17 wheel

Impact Resistance 3.8 joules (33.5 in lbs)

ASTM D2794

Adhesion 35 kg/cm² (500 psi) (on concrete)

ASTM D4541

Scratch Resistance No failure 2.5 kg (5.5 lbs) load

BS 3900 Part E2

Scrub Resistance 1000 cycles

ASTM D2486

HEALTH AND SAFETY

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

Protective gloves should be worn to prevent skin contact.

Fully detailed **Material Safety Data Sheets** are either included with the material or are available on request.

FOR FURTHER INFORMATION PLEASE CONTACT

PACKAGING

Thortex Wall-Tech F.S. Flakes supplied in 5 and 10 kilo 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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