

WALL-TECH S.C.

Single Component Water-Based Hygienic Wall Coating

Thortex Wall-Tech S.C. is a high performance water-based coating designed to provide a hygienic coating for internal surfaces.

Thortex Wall-Tech S.C. contains a complex blend of self cross-linking polyurethane/acrylic copolymers reinforced with inorganic pigments to produce a system which offers a tough durable finish with the optimum level of UV resistance and adhesion for internal surfaces including concrete, plaster, brick and existing paint systems.

Thortex Wall-Tech S.C. is simple and easy to use and can be applied by brush, roller or airless spray to internal surfaces and is ideal for use in hospitals, schools, commercial buildings etc.

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.

Existing coatings: provided the coatings are firmly adherent to the substrate then light abrasion of the surface will be sufficient. Where the coating has only loose adhesion, then these areas should be chipped clean and abraded to a sound edge.

Porous Cementitious Surfaces: should be primed with **Thortex Wall-Tech B.S.** in accordance with the product Tech Sheet.

Tiles: Tiled surfaces should first be primed with **Thortex Uni-Tech G.P. Primer** in accordance with the product Tech sheet.

MIXING

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

APPLICATION

Application should not be carried out at temperatures below 5°C nor when relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.

Thortex Wall-Tech S.C. is supplied ready for use for roller application in which medium to short pile rollers are the preferred equipment for this application method. **Thortex Wall-Tech S.C.** should be spread evenly and periodic thickness checks should be made to ensure the correct uniform thickness is achieved.

For brush application good quality brushes should be used with even brush strokes. **Thortex Wall-Tech S.C.** should not be over brushed which may lead to lower than specified coating thicknesses.

For airless spray application no thinning is required. Equipment should be fitted with 13-15 thou spray tip using a tip pressure of 2000-2500 psi.

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

Theoretical Coverage Rate

10 m² / litre at 38 microns dft (107 ft² / litre at 1½ mils dft)

Recommended Film Thickness

Wet 100 microns (4 mils)
Dry 38 microns (1½ mils)

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

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Coloured Thixotropic Liquid.

Drying & Cure Times

at 20°C(68°F)	Touch Dry	30 minutes
	Hard Dry	2 hours
	Minimum Overcoating	1 hour
	Maximum Overcoating	4 days

Volume Solids 38%

V.O.C. 68g/litre (As supplied)
115g/litre (excluding water)

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

Food Contact Meets USDA requirements for incidental food contact.

PHYSICAL PROPERTIES

Abrasion Resistance 60mgm weight loss per 500 cycles-1 kg load- CS10 wheel.
ASTMD4060

Impact Resistance no failure (0.9 kg (1.98 lbs) load dropped 45 cm (18 inches)
BS 2782 Part 3

Direct Pull Adhesion 35 kg/cm² (500 psi) - concrete (concrete failure)
ASTMD4541

Water Vapour Permeability 4.70 x 10⁻⁶ perm.cm
ASTMD1653

Pencil Hardness HB
ASTMD3363

UV Resistance 500 hours QUV-B no loss of gloss, no colour change
ASTMG53

Mould Resistance Excellent
BS3900 part 6

HEALTH AND SAFETY

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

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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