



TECHNICAL DATA SHEET

FLOOR-TECH W.S.

Two Component Water Based Polyurethane Floor Coating

Thortex Floor-Tech W.S. is a high performance polyurethane floor coating produced as a clear satin sealer for use in conjunction with **Thortex** screeds.

Thortex Floor-Tech W.S. is based on a complex blend of water-borne acrylic and urethane polymers to provide a coating which offers outstanding weather, chemical and abrasion resistance together with colour stability.

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

SURFACE PREPARATION

All screed surfaces should be clean, dry and free from oil, grease and loose material.

MIXING

Thortex Floor-Tech W.S. is a two component water based product supplied as a base component and activator component which must be mixed together prior to use.

The base component should be stirred using a variable speed mechanical mixer with the mixer set at approximately 1000 rpm. The activator component should be slowly added whilst continuing stirring (increasing the rpm as required) until a uniform homogeneous mix is obtained.

The mixed **Thortex Floor-Tech W.S.** should be used within 1½ hours of mixing at 20°C.

APPLICATION

Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point. The minimum temperature for application is 5°C.

Thortex Floor-Tech W.S. should be applied to provide an even coating thickness by brush or roller ensuring that ponding is avoided. Medium pile rollers should be used for this application.

All equipment must be cleaned IMMEDIATELY after use with clean water.

Theoretical Coverage Rate

10m² / litre at 50 microns dft (107 ft² / litre at 2 mils dft)

Recommended Film Thickness

Wet 100 microns (4 mils)

Dry 50 microns (2 mils)

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

PHYSICAL CONSTANTS

Mixing Ratio 3.5 parts base to 1 part activator by volume.

Appearance Base Clear or Coloured Liquid
Activator Clear Liquid

Drying & Cure

times at 20°C(68°F)	Usable Life	1½ hours
	Touch Dry	4 hours
	Hard Dry	16 hours
	Minimum Overcoating	4 hours
	Maximum Overcoating	48 hours
	Full Cure	7 days

Volume Solids 50%

V.O.C. 65 gms/litre

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). PROTECT FROM FROST.

Food Contact Meets USDA requirements for incidental food contact.

PHYSICAL PROPERTIES

Impact Resistance No failure (0.9 kg load dropped
BS 2782 Part 3 45 cm)

Direct Pull Adhesion 35 kg/cm² -
ASTM 4541 concrete (concrete failure)

UV Resistance 500 hours QUV-B no loss,
ASTM G53 no colour change

Humidity Resistance Unaffected 5,000 hours exposure
BS 3900 Part F2

Bacteria Resistance Excellent
BS 4618 Section 4.5

Mould Resistance Excellent
BS 3900 Part G6

Scratch Resistance No failure 2.5 kg load
BS 3900 Part E2

HEALTH AND SAFETY

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

Rubber gloves should be used.

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

PACKAGING

Supplied in 4.5 litre packs.

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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