

FLOOR-TECH X.F.

Two Component Solvent Free Fast Drying Coating



Thortex Floor-Tech X.F. is a high performance solvent free system specifically developed for use as a high build fast curing floor coating.

Thortex Floor-Tech X.F. is formulated on a complex blend of high molecular weight polymers, which produces a system with outstanding flexibility, impact resistance and colour stability. This unique resin system is combined with a special blend of pigments enabling a select range of colours to be offered suitable for the long term protection of industrial floors.

Thortex Floor-Tech X.F. has excellent adhesion to almost any mineral surface in combination with the appropriate primer and is ideal for long term protection of car parks and floors in factories, warehouses, kitchens, dairies, breweries or any area where long term maintenance free protection is required.

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 loose material. Concrete surfaces should have all surface laitence removed by mechanical means, such as enclosed blasting equipment.

Porous Surfaces: on certain types of good quality concrete **Thortex Floor-Tech X.F.** can be applied without a primer, but for optimum cosmetic results concrete should be primed with **Thortex Floor-Tech S.F.U.**

Timber and porous asphalt surfaces should be primed with **Thortex Floor-Tech F.B. Primer** prior to application of **Thortex Floor-Tech X.F.**

Non Porous Surfaces and Existing Coatings: Please contact the Technical Centre for advice.

If in doubt about the choice of primer consult the **Thortex Technical Department.**

MIXING

Thortex Floor-Tech X.F. is a two component material comprising a Base component and an Activator component which must be mixed together prior to use.

The Base component should be stirred and whilst continuing stirring, the Activator component should be added with mixing continuing until a homogeneous mix results. The use of a mechanical mixer is advisable to ensure thorough and complete mixing.

The mixed product must be used within 20 minutes of mixing at 20°C (68°F).

APPLICATION

Application should not be carried out when the surface to be coated is less than 3°C above the dew point.

Note: Whilst there is no restriction on the maximum level of humidity during application, high levels of humidity will increase the rate of cure.

Thortex Floor-Tech X.F., may be applied at temperatures down to -10°C (14°F) but cure times will be extended considerably. For optimum speed of cure, application is best carried out when surface/air temperatures are above 5°C (40°F).

Thortex Floor-Tech X.F. is suitable for application by brush or medium pile rollers, using a pour and roll technique and should be applied to give a uniform thickness of 150-200 microns, higher thicknesses will retard the cure. When using a pour and roll technique the mixed material should be poured across the appropriate areas to be covered then rolled out to the correct thickness, large pools of mixed product should be avoided.

Thortex Floor-Tech X.F. may be applied as a single coat or two coat system depending on client requirements. Where a slip deterrent finish is required, **Thortex W.D. Grip** should be scattered over the coating at an approximate rate of 100-150gm/m² and back rolled in.

Note: If a two coat system is being applied, the aggregate should be incorporated into the second coat.

Theoretical Coverage Rate5 m² / litre at 200 microns dft (43 ft² per litre at 10 mils dft)**Recommended Film Thickness**

Wet/Dry 150-200 microns (6-8 mils)

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

PHYSICAL CONSTANTS

Mixing Ratio Colours
1.5 parts base to 1 part activator by volume.
Clear
1.35 parts base to 1 part activator by volume

Appearance Base Thixotropic Liquid
Activator Clear Liquid

Drying & Cure Times

at 20°C (68°F)	Usable Life	20-25 minutes
	Touch Dry	¾-1 hour
	Hard Dry	1-1½ hours
	Minimum Overcoating	1 hours
	Maximum Overcoating	24 hours

Volume Solids 100%

V.O.C. Nil

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).

PHYSICAL PROPERTIES

Abrasion Resistance	78 mgm weight loss per 1000 cycles -
ASTMD4060	1 kg load - CS17 wheel
Hardness	75-80 Shore D
ASTMD2240	
Elongation	15-20%
ASTMD412	
Direct Pull Adhesion	35 kg/cm ² (500 psi) - Concrete
ASTMD4541	(Concrete Failure)
Tensile Strength	22.6N/mm ² (3300psi)
ASTMD638	
Tear Strength	95.7N/mm (550psi)
ASTMD624	
Water Vapour	5.46x10 ⁻⁴ perm
Permeability	
ASTMD1653	

HEALTH AND SAFETY

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

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 2.5 litre packs (colours) and 2.35 litre packs (clear)

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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FOR FURTHER INFORMATION PLEASE CONTACT