



FLOOR-TECH W.B.X.

Two Component Water-Based Epoxy Coating

Thortex Floor-Tech W.B.X. is a high performance fast curing, self priming, low gloss coating system for use on most floor surfaces.

Thortex Floor-Tech W.B.X. is based on a water dispersed epoxy resin blended with a specially formulated water dispersible adduct which react together to give excellent adhesion to most mineral and previously coated surfaces.

The special resin matrix of **Thortex Floor-Tech W.B.X.** is combined with a blend of inorganic pigments and abrasion resistant fillers which produce a durable floor protection system.

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

SURFACE PREPARATION

Concrete

Surfaces must be clean, dry and free from oil and grease. All laitance must be removed by mechanical abrasion or light abrasive blasting.

All dust and loose material must be removed.

Existing Coatings

The surface should first be degreased using an approved solvent or detergent solution, then mechanically abraded. All loose flaking material and abrasive dust must be removed.

Tiles

Surfaces must be free from dirt, oil, grease and other contamination. For wet service conditions, the surface of the tile must be mechanically abraded or lightly abrasive blasted.

Note: All floors operating in wet service conditions should always be mechanically abraded or lightly abrasive blasted.

MIXING

Thortex Floor-Tech W.B.X. is a two component material which must be mixed together prior to use.

The base component should be thoroughly stirred to incorporate any slight separation, while continuing stirring the contents of the activator container should be added. Continue stirring until a homogeneous mix is obtained.

APPLICATION

Application should not be carried out when air and surface temperatures are below 10°C nor when the relative humidity exceeds 70%.

Brush: Brush application should be carried out using even brush strokes. **Thortex Floor-Tech W.B.X.** should not be over brushed, which may lead to lower than specified coating thickness.

Roller: **Thortex Floor-Tech W.B.X.** should be spread evenly over the surface to give a film thickness of 100 microns (4 mil) wet. Periodic thickness checks should be made to ensure the correct uniform thickness is achieved.

Note: This product does not exhibit any visible end point on expiry of the stated usable life. The product will appear usable long after the quoted usable life. It is essential that the product is used within 2 hours of mixing, otherwise the properties of the film may be impaired.

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

Theoretical Coverage Rate10 m²/liter at 50 microns dft (107 ft²/liter at 2 mils dft)**Recommended Film Thickness**

Wet 100 microns (4 mils)

Dry 50 microns (2 mils)

Note: Normally applied as a two coat system to achieve a total dry film thickness of 100 microns.

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

PHYSICAL CONSTANTS

Mixing Ratio **Color**
 5 parts base to 1 part activator by volume
Clear
 4 parts base to 1 part activator by volume

Appearance Base Colored Liquid
 Activator Opaque Straw Colored Liquid

Drying & Cure times at

20°C (68°F)	Usable Life	2 hours*
	Touch Dry	1-2 hours
	Hard Dry	4-6 hours
	Minimum Overcoating	2 hours
	Maximum Overcoating	72 days
	Full Cure	7 days

*See note in application section

Volume Solids 50%

V.O.C. 44 gm/liter

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).

FOR FURTHER INFORMATION PLEASE CONTACT

Food Contact Meets USDA requirements for incidental food contact
 Meets FDA requirements CFR 21.175.300 for food contact
 Canadian Food Inspection Agency – Accepted product

PHYSICAL PROPERTIES

Abrasion Resistance 60 mgm per 1000 cycles – 1 kg
 ASTM D4060 load - CS17wheel

Impact Resistance 3.8 joules (33.5 ins/lb)
 ASTM D2794

Adhesion 35 kg/cm² (500 psi) (on concrete)
 ASTM D4541

Scratch Resistance No Failure at 2.5 kg (5.5 lbs) load
 BS 3900 Part E2

HEALTH AND SAFETY

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

Protective gloves should be worn to prevent skin contact.

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

PACKAGING

Supplied in 5 and 20 liter 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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