

FLOOR-TECH T.P.L.

Two Component Water Based Clear Matt Polyurethane Lacquer

Thortex Floor-Tech T.P.L. is a high performance water based coating designed for use as a clear protection system for wooden floors.

Thortex Floor-Tech T.P.L. is based on a select blend of urethane polymers to produce a coating which offers a tough durable clear system with excellent abrasion and impact resistance with extremely fast drying properties which enables three coats to be applied in one day.

Thortex Floor-Tech T.P.L. is simple and easy to use and can be applied to almost any wooden floor and is ideal for use in dance halls, sports halls, school rooms, museums, churches, squash courts, staircases and wooden panelling.

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 contaminants.

New Wood: Surfaces should be sanded with a fine paper to remove any loose fibrous material. The resulting dust and abrasive residue should be completely removed by vacuum cleaner.

Existing Coatings: Where the floor only requires recoating, the existing coating should be examined for adhesion and integrity. Any areas of loosely adhered coating must be removed back to a sound edge. Surfaces should then be thoroughly detergent cleaned to remove all wax and grease deposits then thoroughly abraded using a rotary scrubber fitted with a 240 grade abrasive paper pad. All resultant dust and debris must be removed by vacuum cleaning.

Where a floor requires complete coating renewal, all existing coating should be stripped back to the original substrate, then the surface should be abraded with all resulting dust and debris removed by vacuum cleaning then treated as for a new floor. When steam cleaning process is used to strip wax and polish, the surface must be allowed to dry before any coating is applied.

MIXING

Thortex Floor-Tech T.P.L. is a two component material which requires mixing prior to use. The Base should be thoroughly shaken, then the Activator should be added and mixed again by vigorous shaking. A complete unit should be mixed. The colour changes into a uniform white when mixing is complete, however on drying the material becomes clear. The mixed product must be used within 5 hours of mixing.

APPLICATION

Thortex Floor-Tech T.P.L. can be applied by brush or roller. For roller application good quality lambswool rollers should be used.

Thortex Floor-Tech T.P.L. should be applied to give a uniform film thickness avoiding excessive coating build up and areas of ponding. For application to correctly prepared existing coated surfaces a minimum of two coats is recommended.

When applied to new or uncoated timber surfaces a minimum of three coats should be applied. The first coat should be allowed to become hard dry, then the surface lightly abraded to remove raised timber grain. The resulting abrasive dust should then be removed by vacuum or wiping with a dust mop.

3-4 hours should be allowed between coats depending on drying. This overcoating time will be extended in cold humid conditions or where there is little or no air movement.

NOTE: In the wet state **Thortex Floor-Tech T.P.L.** has a white appearance, but on drying a perfectly clear film results.

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

Theoretical Coverage Rate

10 m²/litre at 34 microns dft (108 ft²/litre at 1 mil dft).

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

CLEANING

Dust and dirt can be removed with a vacuum cleaner. From time to time a more thorough cleaning will be needed, for this the floor should be cleaned with a moist cloth and mild household cleaner or **Thortex Aftercare** if a slight sheen can be tolerated. Dripping wet cloths or mops should not be used.

Scuff marks can be removed using a dry cloth or tissue.

PHYSICAL CONSTANTS

Mixing Ratio 10 parts base to 1 part activator by volume.

Appearance Base and activator are low viscosity clear liquids.

Drying & Cure Times at

20°C/68°F	Usable Life	5 hours*
	Touch Dry	30 - 40 minutes
	Hard Dry for sanding	3-4 hours
	Hard to Service	16 hours
	Minimum Overcoating	3 hours
	Maximum Overcoating	24 hours
	Full Cure	4 days

* NOTE: This product does not exhibit any visible end point on expiry of the stated usable life. It will slowly thicken over a period of days. It is essential that the product is used within 5 hours of mixing otherwise properties of the coating maybe impaired.

FOR FURTHER INFORMATION PLEASE CONTACT

Volume Solids 34%

V.O.C. 125gm/ltr

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.

PHYSICAL PROPERTIES

Abrasion Resistance 18 mgm weight loss per 1000 cycles
ASTMD4060 1 kg load CS17 wheel

Pencil Hardness 3H
ASTMD3363

Scrub Resistance > 10,000 cycles
ASTMD248

Scratch Resistance No Failure 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 T.P.L.** can be safely used.

The use of protective gloves is advisable during use.

Vapour masks should be worn when spray application is used.

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

PACKAGING

Supplied in 5 litre 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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