

FLOOR-TECH C.S.

Single Component Water Based Clear Acrylic Urethane Coating

Thortex Floor-Tech C.S. is a high performance water based coating designed for use as a clear gloss protection system for wooden floors.

Thortex Floor-Tech C.S. is based on a select blend of aliphatic acrylic and 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 C.S. is simple and easy to use and can be applied to almost any wooden floor and are ideal for use in dance halls, sports halls, school rooms, museums, churches, 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.

New Composite Floors: Surfaces should be lightly abraded using a fine grade of abrasive paper. The floor surface should then be vacuumed to remove any dust and abrasive residue.

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.

Concrete Surfaces: Should be abraded or scarified to remove laitence with all dust and then swept from the surface.

MIXING

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

APPLICATION

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

Thortex Floor-Tech C.S. should be applied to give a uniform film thickness of 75 microns wet, 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.

A minimum of one hour should be allowed between coats. This overcoating time will be extended in cold humid conditions or where there is little or no air movement.

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

Theoretical Coverage Rate

13.6 m²/litre at 25 microns dft (146 ft²/litre at 1 mil dft).

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

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Low Viscosity Clear Liquid

Drying & Cure

Times at

| | | |
|------------------|---------------------|--------------------------------|
| 20°C/68°F | Touch Dry | 30 mins |
| | Hard Dry | 2 hours |
| | Hard to Service | 16 hours |
| | Minimum Overcoating | 1 hour |
| | Maximum Overcoating | Indefinite to cleaned surfaces |
| | Full Cure | 4 days |

Volume Solids 34%

V.O.C. 110gm/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°C). PROTECT FROM FROST.

FOR FURTHER INFORMATION PLEASE CONTACT

PHYSICAL PROPERTIES

TX860/1205

| | |
|----------------------------|------------------------------------|
| Abrasion Resistance | 18 mgm weight loss per 1000 cycles |
| ASTM D4060 | 1 kg load CS17 wheel |
| Pencil Hardness | 3H |
| ASTM D3363 | |
| Scrub Resistance | > 10,000 cycles |
| ASTM D248 | |
| 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 C.S.** 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 and 25 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.



www.thortex.co.uk

Thortex Division of E. Wood Ltd.

Standard Way, Northallerton, N. Yorks. U.K. DL6 2XA

Tel: +44(0)1609 780170 Fax: +44(0)1609 780438 & 777905

E Mail: thortex@ewood.co.uk

Buy online: www.thortex.co.uk/shop