



POLY-TECH W.G.

Single Component Solvent Based Flexible Roof Coating

Thortex Poly-Tech W.G. is a high performance water proofing and protection system specifically designed to enable application to be carried out at low temperatures and is suitable for most roof surfaces including asphalt, bitumen, mineral felt, asbestos cement, concrete and metal surfaces.

The **Thortex Poly-Tech W.G.** formulation is based on a unique flexibilized acrylic resin in combination with inert pigments and fillers.

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

SURFACE PREPARATION

The **Poly-Tech W.G.** system should only be applied to structurally sound areas. On flat roofs which have been dressed with large or medium size chippings, these must be removed prior to application. A mechanical flail should be used to remove the chippings and then the area swept down to remove all loose dirt and dust.

Any cracks and gaps should be raked out to remove dirt build up and made good with a proprietary filler or **Thortex Wall-Tech X.P.S.**

Blisters on asphalt roofs should also be cut out and the void filled with **Thortex Wall-Tech X.P.S.** On felt roofs, severe blisters should be cut open and bonded flat.

Any areas of moss or lichen growth should be treated with **Thortex Fungicidal Wash** in accordance with the instructions.

Any surface to be protected must be clean, dry and firm and this is especially important with metallic, gloss or plastic surfaces.

Any oil or grease contamination should be removed by high pressure washing using a detergent solution.

Asphalt, Bitumen, Felt, Timber and Porous Mineral surfaces are now ready to accept **Thortex Poly-Tech W.G.**, no priming is required, however certain aged factory dressed roofing felts and aged asbestos may require special treatment, a trial application and adhesion test is advisable on their surfaces.

Sound Existing coated and Non Porous mineral surfaces should now be primed using **Thortex Uni-Tech GP Primer** in accordance with the product tech sheet and allowed to dry for a minimum of 6 hours at 68°F but must be allowed 16 hours in cold conditions prior to overcoating.

Metallic surfaces should now be primed with **Thortex Uni-Tech M.C. Primer** in accordance with the product tech sheet.

MIXING

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

PRODUCT APPLICATION

Surfaces to be coated should be clean, dry and free from obvious surface moisture and must be a minimum of 5°F above the dew point prior to application.

Thortex Poly-Tech W.G. is a single component material and should only require stirring prior to use to incorporate any slight separation using a slow speed paddle mixer.

The **Poly-Tech W.G.** system is designed to give a minimum of 10 year protection.

The **Poly-Tech W.G.** System is a two coat system with **Thortex C.S.M. 100 gram** embedded into the first coat.

After the surface has been prepared and primed as required, any cracks and joints should be covered with **Thortex Poly-Tech Bridging Tape**.

Thortex Poly-Tech W.G. should then be applied by brush or medium pile roller to the prepared surface. **Thortex C.S.M.** should then be rolled out into the wet coat of **Thortex Poly-Tech W.G.**, with further material being applied by medium pile roller as required to ensure full embedment taking care to avoid ponding and excessive thickness of **Thortex Poly-Tech W.G.**

A second coat of **Thortex Poly-Tech W.G.** should now be applied, a minimum of 4-6 hours after the first coat, the minimum overcoating interval will depend on the roof temperature and drying conditions. Excessive thickness and ponding of the coating must be avoided.

All equipment must be cleaned IMMEDIATELY after use with **Thortex Universal Cleaner**.

Recommended Film Thickness

Thortex Poly-Tech W.G. embedment coat should be applied at a spreading rate of 0.5 liter / m² on smooth surfaces rising to 1 liter/ m² on rough surfaces, sufficient to wet out the CSM without excessive thickness and ponding.

This equates to a dry film thickness ranging from 9 0 18 mil.

The second coat should be applied at 0.5 litre/m² which equates to 9 mil.

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

PHYSICAL CONSTANTS

Mixing Ratio	Supplied ready for use
Appearance	Viscous Colored Liquid
Drying & Cure times at 68°F	Touch Dry 2-3 hours Through Dry 6-8 hours Minimum Overcoating 6-8 hours Full Cure 7 days
NB:	At lower temps the drying times and minimum overcoating times will be extended.
Volume Solids	48%
V.O.C.	448 gm / liter
Shelf Life	Use within 2 years from date of purchase. Store in original sealed containers between 40°F and 86°F.
Site Storage	Product should be maintained above 50°F prior to use to aid application.
Fire Performance	External Fire Exposure Roof Test BS476 Part 3: 1958 Category EXT.FAA

PERFORMANCE DATA

Direct Pull Adhesion ASTMD4541	400 psi - Concrete
Water Vapor Permeability ASTM D 1653	5.51 x 10 ⁻⁵ perm.cm
Tensile Strength ASTMD412	6.85 N/mm ² (1000 pli) Reinforced
Elongation ASTMD412	40%
Tear Strength ASTMD624	210 psi Reinforced
UV Resistance ASTMG53	Unaffected 1,000 hours QUV - B

HEALTH AND SAFETY

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

Thortex Poly-Tech W.G. is flammable and should be stored away from sources of ignition.

Adequate ventilation must be provided during use.

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

PACKAGING

Supplied in 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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FOR FURTHER INFORMATION PLEASE CONTACT