



## GRANO-TECH PRIMER

### Two Component Solvent Free Epoxy Coating



**Thortex Grano-Tech Primer** is a high performance, low viscosity solvent free coating designed for use as a multipurpose floor sealing and priming system for concrete surfaces.

**Thortex Grano-Tech Primer** can be applied to damp surfaces and **Grano-Tech Primer** can also be used to create a damp proof membrane for concrete floors prior to overlayment with cementitious screeds.

**Thortex Grano-Tech Primer** consists of a unique blend of epoxy resin combined with polyamino amine adducts, which have been specifically selected to provide the optimum level of penetration, adhesion and overcoatability.

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

#### SURFACE PREPARATION

All surfaces must be clean and free from obvious water, oil, grease and loose material.

**New Concrete:** Surfaces should be lightly abrasive blast cleaned, scarified or mechanically abraded to remove laitance. Resultant dust and debris should be removed by sweeping or vacuum cleaning.

**Existing Concrete:** Surfaces should be high pressure detergent washed to remove all dirt, oil and grease, heavy oil contamination may require sweating and burning out. Loose, badly adhering existing coatings should be removed by abrasive blasting or scarifying. All dust and resulting debris should be removed by sweeping or vacuum cleaning.

**Note:** All concrete surfaces must have a maximum moisture content of less than 7%.

#### MIXING

**Thortex Grano-Tech Primer** is a two component material consisting of a base component and liquid activator component. The base component should be poured into a suitable mixing container and the activator added and thoroughly stirred until a homogeneous mix is obtained.

**To produce an economical fill material:** 1 unit **Thortex Grano-Tech Primer** (5.0 kgs) should be mixed with 75 - 90 kgs of 1/4" clean, dry gravel/silica sand mix.

The use of mechanical mixers is advisable when mixing filler mixes.

#### APPLICATION

**Priming / Sealing:** **Thortex Grano-Tech Primer** should be applied to the prepared surface by stiff brush, squeegee or roller to give a uniform even coating taking care to avoid excessive build up and ponding. On rough, pitted surfaces the product should be worked into the surface to ensure complete wetting of the substrate.

**Filling:** The **Grano-Tech Primer / filler** should be mixed, poured on the area to be repaired and then finished with a float or trowel.

**Damp Proof Membrane:** Two coats of **Thortex Grano-Tech Primer** should be applied with the second coat completely blinded with kiln dried sand.

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

#### Theoretical Coverage Rate

9.2 m<sup>2</sup>/kilo at 100 microns dft. (97 ft<sup>2</sup>/kilo at 4 mils dft).

#### Recommended Film Thickness

Wet 100 microns (4 mils)

Dry 100 microns (4 mils)

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

#### PHYSICAL CONSTANTS

**Mixing Ratio** 2 parts base to 1 part activator by volume

<b>Appearance</b>	Base	Clear Liquid
	Activator	Clear Liquid

#### Drying & Cure

##### Times at

<b>20°C/68°F</b>	Usable Life	30 minutes
	Touch Dry	3½ hours
	Hard Dry	5-6 hours
	* Minimum Overcoating	3½ hours
	Maximum Overcoating	24 hours
	Full Cure	7 days

These times refer to **Thortex Grano-Tech Primer** only. When the product is blended for other uses times will be extended and will depend on the final quantities of the mix.

\* **Note:** When used as a primer / tack coat this is the maximum overcoating time.

**Volume Solids** 100%

**V.O.C.** Nil

FOR FURTHER INFORMATION PLEASE CONTACT

**Shelf Life** Use within 5 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F)

**Food Contact** Meets U.S.D.A. requirements for incidental food contact.  
Canadian Food Inspection Agency – Accepted Product.

#### HEALTH AND SAFETY

As long as normal good practice is observed **Thortex Grano-Tech Primer** can be safely used.

Protective gloves should be worn.

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

#### PACKAGING

Supplied in 300gm and 5kg packs

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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