

Elastomeric Polyaspartic Hybrid Polyurea Coating – Dry Spell Coat

DESCRIPTION

TECHOTHANE 550 is a two-component, Polyaspartic Hybrid Aliphatic Polyurea Hi-build Coating with excellent resistance to UV & atmospheric exposure. The fully cured coating has very good chemical resistance. TECHOTHANE 550 has good adhesion on various surfaces like Concrete, metal, wood, etc. TECHOTHANE 550 has the best water and chemical resistance & suitable for exterior applications, where in non-chalking properties and very good abrasion resistance



FEATURES & ADVANTAGES

- Mechanical, chemical, thermal, UV and weather resistance properties
- Uniform, elastic, seamless joints
- Root Resistance
- Highly Elastomeric Aliphatic Polyurea coating
- Crack Bridging Ability upto 3 to 4 mm
Due to fast setting nature applied coating dose not wash out even shower after 1-2 hours

APPLICATION

- Terraces
- Balconies & Flower beds
- Podiums
- Basements
- Roofs
- Deck slab
- Bridge deck
- Wind Turbines
- Pipe Lines

APPLICATION PROCEDURE

- **SUBSTRATE PREPARATION** : In general, the substrate must be dry, clean, free of grease, loose particles, dust etc. Any existing cavities in concrete should be filled with the Repair Mortar in advance. Intense wide cracks on the substrate must be filled with the PS or PU sealants. For porous concrete substrate or old waterproofing layers and other porous surfaces should be primed with waterbased epoxy primer (Masterprime 54 M) if moisture is higher than 5% and Masterprime 52/54 for less than 5% moisture in substrate at a consumption of 5 to 7 m² per kg.
- **APPLICATION**: Mixing of the two components: TECHOTHANE 550 is 2 components Part-A (base) and Part-B (hardener) are packed in two separate containers, having the correct predetermined mixing ratio by weight. Stir individual containers separately, Part-A and Part-B very well, to get homogeneous material. The whole quantity of Part - B is added to Part - A. The two components should be mixed for about 2-3 minutes with a low-speed mixer (300 rpm) until the mixture becomes uniform. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener

PROPERTIES

PARAMETER	ASTM / TEST STD USED	TYPICAL VALUE
Mixing Ratio	Base: Hardener	77:23 pbw
Elongation at break, 14 days	ASTM D 412	Min. 450 %
Tensile strength, 14 days	ASTM D 412	Min. 4 Mpa
Recovery @ 200 %	ASTM D 412	95%
Hardness (Shore A Scale)	ASTM D 2240	Min. 60
Temperature Resistance		From -30°C to +90°C
MVT-Permeability-7d	ASTM D1653	15 g/day/m ²
Pull Off Adhesion Mpa	ASTM D 4541	Min 5.0 Mpa
Solid Content		88 % ± 2%
Crack Bridging Ability	ASTM C 1305	3-4 mm
Puncture Resistance	ASTM E154	Min 90%
+Ve Hydrostatic pressure	7 bar	Passes
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils. (For details contact CCPL technical team)	

COVERAGE

Over primed surface, apply mixed material with brush/roller at the rate of 0.8 to 0.9 kg/ Sq.mt/coat/0.5 mm DFT. Apply 2nd coat perpendicular to first coat, after 12-16 hrs. Intervals.

**This figure is theoretical and in an ideal condition or it may vary dependon surface condition.*

PACKAGING

5 Kgs : (3.85 Kg : 1.15Kg) - (Part A : Part B)

30 Kgs : (23.10 Kg : 6.90Kg) - (Part A : Part B)

STORAGE & SHELF LIFE

- Parts A and B: 12 months from date of production.
- If stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10°C and +25°C

PRECAUTIONS & LIMITATIONS

- Careful supervision during application is required, especially when ensuring correct consumption of material to achieve desired coverage.
- Apply Techothane 550 directly on prime surface only.
- Always protect the coating with proper protection till it cures completely by covering the polyethylene sheet.

HEALTH & SAFETY

- During application wear Protective cloths, gloves and eye goggles. Avoid product to contact eyes and skin.
- Skin contact -wash immediately with plenty of clean water.
- Eye contact-Wash immediately with plenty of clean water.
- Techothane 550 contains Isocyanates. Please see the MSDS supplied by manufacturer and study.

DISCLAIMER

The product information & application details given by the company & its channel partners are provided in good faith & are mentioned as a general guideline during usage. Users are advised to carry out tests & take trials to ensure the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee/warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.