

PU Thane

Description

Core PU Thane is a rapid cure, one component, cold applied, moisture-triggered, aliphatic-aromatic pure polyurethane membrane based on unique i-Cure® technology.

- Pure polyurethane
- One hour rain resistant.
- One material for horizontal and vertical surfaces (1st and 2nd layer)
- 1-component cold applied
- UV resistant
- High solid content
- > 600 % Elongation
- Low VOC and Low odour
- Ponding water test after 24 hours.

SERVICES

Cementitious coating

Crystalling Coating

Addmixture

Sealant

Grout

Epoxy primer

Repair Mortar

Flooring

PU flooring

PU coating

Bitumen Coating

Latex

Waterstopper

Recommended Uses

- Waterproofing membrane on exposed flat and pitched roofs both for new construction and refurbishment of old roofs.
- Adheres to various substrates including concrete, cementitious substrates and bitumen sheets



Technical Data

Property	Value	PU Thane – Variant B	Test Method
Tensile Strength	4 N/mm ²	8 N/mm ²	ASTM D412
Elongation at Break	600%	45%	ASTM D412
Tear Strength	14.5 N/mm	N/A	ASTM D624
Crack-Bridging	2 mm (no cracks)	2 mm (no cracks)	ASTM C836
Pull-Off Strength	<1.5 N/mm ²	<1.5 N/mm ²	ASTM D4541
VOC Content	<250 g/L	<250 g/L	ASTM D2369

Application Guidelines

Substrate Preparation

Ensure the underlying epoxy/PU base layer is fully cured, clean, dry and free from dust, oils and contaminants. If the recoat window is exceeded or the surface is glossy, lightly abrade (e.g. 120–180 grit) and vacuum clean. Pull-off strength of the substrate should meet the specified requirement.

Mixing

Premix Part A. Add Part B at 4:1 by weight and mix with a low-speed drill (300–400 rpm) for 2–3 minutes until a uniform blend is achieved. Scrape sides and base. Do not dilute. For multi-batch applications, keep mixing gentle to avoid entrapping air.

Application

Apply the mixed PU topcoat in thin even coats by short-nap roller or squeegee and back-roll to level. Maintain a wet edge and cross-roll to uniform finish. For anti-slip, de-sand and broadcast body coat, then apply PU Thane to encapsulate aggregate; use a second coat if needed for full embedment.

After Treatment

Protect from dust, moisture and traffic during cure. Recoat within the specified window (typically 10–24 h); if exceeded, abrade and re-prime. Light foot traffic is usually permitted after ~16–24 h; full chemical and UV resistance develops after 5–7 days.

Cleaning of Equipment

Clean all tools and equipment immediately with PU/epoxy cleaner after use. Cured material can only be removed mechanically.

Information herein reflects Core Chemicals' current knowledge and assists specifiers and contractors. It does not replace project-specific trials to confirm suitability. Values are typical under standard conditions; site results may vary. Recommendations are offered in good faith without warranty, as conditions outside our control can affect performance. Core Chemicals may revise specifications without notice. Users are responsible for compliance with applicable standards and regulations. Technical assistance is available on request.

The Core Chemicals

Office 5, 129 C 24th Commercial St,
DHA Phase 2 Ext. Karachi

info@thecorechem.com
www.thecorechem.com.pk
+92 339 078 6823