



Aquatech LTD.

PRODUCT DATA SHEET

Polyurea TP400

Two-Component Transparent Polyurea Coating

Product Description

Polyurea TP400 is a two-component, high-solid transparent polyurea coating based on polyaspartate technology. It offers high transparency, strong weather resistance, excellent waterproofing, and anti-corrosion performance. With superior adhesion to concrete, ceramic tiles, glass, wood, and metal substrates, it can be directly applied onto glazed tiles. The product can also be tinted into various colors as required.

Where To Use

- Waterproofing of kitchens, bathrooms, balconies, and exposed floors.
- Protective coating for exterior walls and decorative facades.
- Anti-corrosion and waterproofing of concrete, tiles, glass, wood, and metal substrates.
- Suitable for both residential and commercial waterproofing projects.

Recommended Usage

Per coat: 0.1–0.15 kg/m²
Recommended total: 0.2–0.3 kg/m² (≥2 coats)

Product Features

- Moderate viscosity with strong penetration.
- Excellent adhesion to a wide variety of substrates.
- Balanced hardness and elasticity to bridge microcracks.
- Strong sealing performance to prevent vapor leakage.
- Durable UV and weather resistance for outdoor use.
- Easy application by brush, roller, or spray.
- High wear resistance and slip resistance

Storage & Transportation

- Store sealed in a dry, ventilated, cool place.
- Shelf life: 6 months in unopened packaging.
- After opening, reseal immediately and use promptly.
- Transport carefully; avoid impact.
- Construction sites must prohibit open flames and require protective equipment.
- Once cured, coating film is non-toxic

Supply & Packaging

30 kg/set (A: 15 kg, B: 15 kg)
10 kg/set (A: 5 kg, B: 5 kg)

+852 3611 6196
+852 3611 6196
info@aquatech.hk

aquatech-mat.com



Unit 8,7/F, Seaview Centre,
139 HOI BUN ROAD, KWUN TONG, KOWLOON, HK



Aquatech LTD.

PRODUCT DATA SHEET

Polyurea TP400

Two-Component Transparent Polyurea Coating

Technical Data

Item	Index	Standard
Appearance	Colorless or light yellow transparent liquid	-
Surface drying time / h	≤ 4	GB/T 1728-1989
Actual drying time / h	≤ 48	GB/T 1728-1989
Tensile strength / MPa	≥ 10	GB/T 16777-2008
Elongation at break / %	≥ 300	
Impermeability	0.4 MPa, 2h impermeable	
Abrasion resistance (1000g, 500r) / mg	≤ 40	GB/T 1768-1979
Bonding strength / MPa	≥ 4 (or substrate failure)	GB/T 16777-2008
Artificial climate accelerated test (1500h)	No obvious discoloration/powdering, no bubbles or cracks	GB/T 9274-1988

Construction Notes

- Substrate must be clean, dry, and free of oil, cracks, or dust.
- For concrete: ≥ C25, moisture < 6%. For metals: sanded, derusted, or sandblasted. For tiles/glass: glaze polished and cleaned.
- Mix A:B = 1:1 (by weight), stir evenly before use.
- Pot life: ~30 minutes; discard material if viscosity rises.
- Surface dry: 2-4h; hard dry: 8-12h; fully cured: 3-7 days.
- Apply multiple coats (interval 4-12h). Treat weak points (corners, cracks) first.
- Construction environment: 5-35°C, humidity 30-80%, substrate ≥ 5°C above dew point. Ensure ventilation; avoid strong wind



Disclaimer

The information provided in this document is based on data and knowledge considered to be accurate and reliable. It is offered for reference, evaluation, and verification by the user, without any guarantee of specific results. Users are advised to review all recommendations and guidelines in conjunction with our terms of sale, which apply to all products supplied by us. No statement, suggestion, or recommendation herein shall be construed as a license to infringe upon any patent, copyright, or third-party rights.

+852 3611 6196

+852 3611 6196

info@aquatech.hk

aquatech-mat.com



Unit 8,7/F, Seaview Centre,
139 HOI BUN ROAD, KWUN TONG, KOWLOON, HK

COPYRIGHT 2025 @Aquatech Limited.