



Aquatech LTD.

PRODUCT DATA SHEET

AQ Primer-01

Primer for Polyurea Systems

Product Description

AQ Primer 01 is a two-component solvent-based epoxy primer designed as the supporting material for polyurea coatings. It demonstrates excellent permeability and strong adhesion to both new and old concrete substrates, providing a reliable bonding layer between polyurea and concrete. Additionally, it can be combined with quartz sand or powder for surface repair and reinforcement

Where To Use

- Suitable for concrete substrates such as bridges, workshops, playgrounds, and other concrete structures.
- Can also be applied to other non-concrete substrates (consult technical engineer).
- Acts as a sealing layer to reduce bubbles and pinholes in polyurea coatings.
- Provides chemical bonding with polyurea for enhanced adhesion

Recommended Usage

As primer only: 0.15 – 0.25 kg/m²

With quartz sand: 0.3 – 1.0 kg/m²

Product Features

- Low viscosity, strong penetration, excellent adhesion with concrete.
- Effective sealing against moisture, minimizing surface defects.
- Compatible with quartz sand for surface repair.
- Substrate requirements: clean, repaired, polished; strength $\geq$ C25; moisture $\leq$ 6%.
- Construction environment: 5–35°C; substrate temperature $\geq$ 5°C higher than air; humidity 30–80%; avoid strong wind.

Storage & Transportation

- Store sealed in a dry, cool, and well-ventilated place.
- Avoid sun, rain, fire sources, and impact during transport.
- Shelf life: 6 months from production date in original packaging.
- Use promptly after opening and reseal tightly when not in use

Supply & Packaging

24kg/set
A: 16kg B: 8kg

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Technical Data

Item	Index	Standard
Tack-free drying time / h	≤ 4	JC/T 2252-2014
Fully drying time / h	≤ 24	
Solids content / %	≥ 40	
Adhesion strength (dry) / MPa	≥ 2.5	
Adhesion strength retention (after water immersion) / % Rubbing property	≥ 70	

Construction Notes

- Mix component A and B thoroughly (ratio A:B = 2:1 by weight).
- Stir for 3–5 minutes manually or mechanically before application.
- Use mixed primer within 30 minutes by roller or brush; do not dilute.
- Apply subsequent layers within 24 hours after tack-free time. If delayed or affected by rain, re-apply primer.
- Quartz sand can be added on-site (1–1.5 times primer weight) if required. Ensure sand is completely dry.



Disclaimer

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