

# Aquaflex P500

## Specialty Negative Pressure Waterproof Coating

### Product Description

This product is a composite cement-based waterproof coating formulated from high-quality materials including Portland cement, quartz sand, and specialized active chemical compounds. It exhibits exceptional bonding strength and impermeability, making it particularly suitable for negative-side waterproofing applications and anti-seepage leak repair projects.



### Product Features

- Low Substrate Requirements: Can be applied on damp (no flowing water) surfaces.
- Strong Adhesion: Bonds exceptionally well to concrete, mortar, and other substrates, preventing hollowing or delamination.
- Excellent Impermeability: Effectively resists water penetration from both positive and negative sides.
- Vapor-Permeable yet Waterproof: Effectively resolves issues like efflorescence and powdering of walls.

### Recommand Usage

- 0.75 kg/m<sup>2</sup> per coat. Recommended application: 2-3 coats.
- 5 kg pail: Covers 3 m<sup>2</sup> to 4 m<sup>2</sup> (based on 2-3 coat application). 20 kg pail: Covers 12 m<sup>2</sup> to 16 m<sup>2</sup> (based on 2-3 coat application)

(This data is calculated in a standard experimental environment and is for reference only. The actual amount needs to be calculated based on the on-site base surface conditions.)

### Transportation and storage

- Transportation: Products shall be transported using standard methods. Different types of products must be stored separately and shall not be mixed. Protect from direct sunlight, rain, and packaging damage.
- Storage: Store in a cool, ventilated, and dry area with strict moisture protection. Storage temperature shall be maintained between 5° C and 35° C.
- Shelf Life: Under normal transportation and storage conditions, the shelf life is 12 months from the date of production.

### Where To Use

- Interior Building Maintenance: Renovation and leakage treatment for moldy or peeling putty and wall paint caused by water seepage on indoor walls and slabs.
- Underground Structural Waterproofing: Negative-side waterproofing, seepage prevention, and leak repair for main structures in underground projects.

### Product Specifications

5kg/pail, 20kg/pail, Beige, White

### Precautions

- Substrate Preparation: any hollow, peeling, or moldy putty and topcoat should be scraped off to ensure the substrate is solid, even, and free of dust and loose particles. For highly absorbent surfaces, repeatedly apply clean water to moisten the substrate. If necessary, apply an interface agent for enhanced treatment.
- Mixing Principle: For trowel application, mix according to P500:water = 1:0.24 (weight ratio); for brush or roller application, mix according to P500:water = 1:0.35 (weight ratio); stir for 3~5 minutes until a uniform paste is formed.
- After the coating sets, carry out water curing; the coating's waterproof and anti-seepage performance is enhanced.

### Technical indicators

Implementation standard: Q/SDKS 179-2025

Item		Index
Setting time	Initial setting/min	≥60
	Final setting/h	≤12
Flexural Strength / MPa, 28d		≥5.0
Compressive Strength / MPa, 28d		≥18
Impermeability (Water-Exposed Side)	Coated Specimen Impermeability Pressure / MPa, 7d	≥ 0.5
	Coated Specimen Impermeability Pressure / MPa, 28d	≥ 0.6
	Impermeability Pressure Ratio with Coating / %, 28d	≥ 200
	Mortar Impermeability Pressure / MPa, 7d	≥ 1.2
Tensile Bond Strength / MPa, 28d		≥ 1.0
Flexibility (Lateral Deformation Capability) / mm		≥ 1.0
Shrinkage / %		≤ 0.3