



Aquatech LTD.

PRODUCT DATA SHEET

Aquacrete Multiflex 200HK

Bionic Fiber Waterproof Mortar

Product Description

Aquacrete Multiflex 200HK is a new generation of composite waterproofing mortar developed with high-strength fiber reinforced cohesion technology. Specially formulated with anti-crack fibers, it significantly enhances the compressive and flexural resistance of the coating and can be directly applied onto ceramic tiles.

Where To Use

- Waterproofing for exterior walls and interior walls of buildings.
- Waterproofing for water surfaces and underground structures.
- Waterproofing and moisture-proofing for kitchens, bathrooms, balconies, and floors.
- Waterproofing for fire pools, landscape pools, canals, and dams.

Recommended Usage

1.5 – 2.0kg/m² for 1mm thickness film

Note: The above data is based on standard laboratory testing and is for reference only. Actual consumption may vary depending on the substrate surface condition.

Product Features

- Effectively enhances cohesion through high-strength fiber reinforcement.
- High product strength and fast curing, ensuring a stronger waterproof layer and preventing detachment.
- Stronger adhesion: once cured, the fiber-reinforced coating bonds more firmly to tiles.
- Excellent resistance to flexural stress, compression, and impact, effectively preventing cracking and extending service life.

Storage & Transportation

- Products of different categories should be separated from each other during storage and transportation.
- The storage temperature should be maintained between 5°C~ 40°C. Do not approach the fire, avoiding exposure to direct sunlight and rain, preventing collision. Adequate ventilation should be ensured during storage.
- Shelf life is 6 months from the date of production under appropriate storage conditions.

Supply & Packaging

25kg / bag

+852 3611 6196

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info@aquatech.hk

aquatech-mat.com



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



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Construction Procedures

Base requirements

- Substrate must be clean, flat, solid, free of oil, and free of loose particles.
- Surface should be damp but without standing water.
- For troubleshooting: spray application requires high-pressure double-pipes spraying equipment.

Coating preparation

- Mixing ratio: liquid material : powder = 1 : 2.77 (by mass).
- Slowly pour the powder into the liquid material while stirring.
- Stir continuously for 3–5 minutes until mixture is uniform and free of lumps.
- Let mixture stand for 5 minutes before use.

Instructions

- Apply with a brush or scraper to achieve even coverage.
- Recommended film thickness: 0.7 – 1.0mm per coat.
- Each coat should be applied vertically to the previous one.
- Allow at least 5 hours between coats.
- It is recommended to use special rollers for façade applications.

Technical Data (For Reference)

Implemented Standard: JC/T2090–2011

Item	Index (Type I)
Impermeability pressure / MPa $\geq$	0.5
Flexibility, lateral deformation capability / mm $\geq$	2.0
Bonding strength MPa (no treatment) $\geq$	0.7
Compressive strength MPa $\geq$	12.0
Breaking strength MPa $\geq$	4.0
Alkali resistance	No cracking or peeling
Heat resistance	No cracking or peeling
Frost resistance	No cracking or peeling
Shrinkage / % $\leq$	0.3

* The frost resistance test should be conducted if required.

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Aquacrete Master Plus

Anti-Crack Protective Plaster

Implemented Standard: JC/T984-2011

Item	Index (Type II)
Setting time (initial) / min $\geq$	45
Setting time (final) / h $\leq$	24
Impermeability pressure / MPa	Coating (7d): 0.5 Mortar (7d): 1.2 Mortar (28d): 1.5
Compressive strength MPa $\geq$	24
Flexural strength MPa $\geq$	8.0
Flexibility (transverse deformation capacity) / mm $\geq$	1.0
Adhesive strength MPa $\geq$	7d: 1.0 / 28d: 1.2
Alkali resistance	No cracking or peeling
Heat resistance	No cracking or peeling
Frost resistance	No cracking or peeling
Shrinkage / % $\leq$	0.15
Water absorption / % $\leq$	4.0

* The frost resistance test should be conducted if required.

Certifications & Standards

- Conforms to GB/T 25181-2019 standard
- Meets multiple international certifications (SGS, CE, ASTM, etc.)
- Produced under strict quality control to ensure consistency and reliability



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