



AQUAFLEX FUSION

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

AQUAFLEX FUSION is an acrylic polymer designed to be mixed with cement. The mixture is applied on concrete substrate to provide a durable flexible waterproofing membrane. This is mainly used for positive side waterproofing of toilets and bathrooms, kitchen, roof decks and firewalls.



RECOMMENDED APPLICATIONS

- ✓ Positive side waterproofing of toilets, bathrooms, kitchen, roof decks and firewalls
- ✓ Water treatment and sewage structures
- ✓ Swimming pools and fountains
- ✓ Domes and concrete structures



ADVANTAGES

Most Economical Option

- ✓ Offers the highest coverage of waterproofing
- ✓ Paintable, easy to mix and apply which can significantly reduce the project timeline

Excellent Workability

- ✓ Can be applied by brush, roller, or spray, depending on the product, making it suitable for various project sizes and shapes

Crack Resistance

- ✓ High degree of flexibility which allows the substrate to withstand minor substrate movements without cracking or delamination, which can be especially important in structures with dynamic or shifting foundations

Top Grade Waterproofing

- ✓ Excellent adhesion to all cement-based substrates which helps prevent any water infiltration
- ✓ Excellent resistance to corrosive environment

Versatility

- ✓ Can be used in a wide range of waterproofing applications, including roofs, balconies, basements, and even decorative concrete overlays. They are suitable for both new construction and remedial projects.



PRODUCT INFORMATION

Packaging: 4 liters or 16 liters pail

Appearance/Color: Dark Gray when mixed with cement

Shelf Life: 12 months

Storage Conditions: Store in a cool, dry place

Maximum Grain Size: 0.05 to .1 mm



TECHNICAL INFORMATION

Paste Density: 1.44 to 1.45 kg/L

Pot Life: 3-4 hrs



APPLICATION INSTRUCTION

SURFACE PREPARATION:

All surfaces must be smooth, sound and free from debris. Surfaces must be free from oil contamination. Concrete surfaces must be free from any trace of release oils and curing compound.

MIXING:

- Mix 1L of **AQUAFLEX FUSION** with 1kg of cement
- Mix until a homogenous state is achieved
- Allow the mix to stand for 5 minutes and re-stir manually before use

APPLICATION:

Apply 1 coat of the mixture to the corners of walls and floor. Then, apply at least 2 additional coatings to the concrete substrate. Apply perpendicularly between coatings. If first coat's brush stroke is up-down, 2nd coat should be left-right. This will allow brush marks to still be sealed on the second coat

CURING

Allow for 15mins of curing before applying the next layer if needed



COVERAGE

20-30sqm per 4L at 1 coat and 80-100 sqm per 16L at 1 coat. Coverage figures are theoretical and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.



HEALTH & SAFETY

A dust mask should be used when handling **AQUAFLEX FUSION**. Gloves should be worn during application. **AQUAFLEX FUSION** is non-flammable



QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.

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