

Flexi-Liner™ (FM76NF)

Aquacrete Flexi-Liner™ is a thin seamless waterproofing membrane. It bonds directly to a wide variety of substrates making it an ideal solution in the Building, Construction and Marine Industries.

Flexi-Liner™ is a single component, wet-mix product. It contains no solvents making it safe to handle and

non-flammable. It can be used in a range of applications from new structures to repairs and prevention of substrate deterioration. Flexi-Liner™ can be applied as a supporting membrane to existing Aquacrete products.

Flexi-Liner™ is applied in a 2-3mm thick coverage. The product can be sprayed for larger areas or applied with a trowel for smaller projects.

APPLICATIONS

New Structures

- Water containment, such as concrete water tanks, ponds, pools, fountains and water features, and is suitable for use in collecting drinking water
- Waterproof membrane to bathrooms, laundries and kitchens
- Retaining walls and planter boxes
- Tunnel and excavation lining
- Protection against weathering
- Resistance against positive hydrostatic pressure under-ground and other construction substrates.
- Rooftops, balconies, decks and terraces.

Repairs

- Leak repairs to swimming pools, water tanks and ponds
- Roof repairs – ponded water resistance

Preventative Installations

- Rust preventative for marine vessels including; barges, ships, tankers and oil rigs
- Corrosion preventative for water tanks and chemical vessels

PRODUCT FEATURES AND BENEFITS

Safer

- Earth-conscious and non-hazardous
- Fire resistant
- Corrosion resistant
- Passes AS/NZS 4020:2005 - Testing of Products for Use in Contact with Drinking Water
- Can add oxides to achieve required colour without affecting performance or can be painted

Faster

- Applied to a 2-3mm thickness
- Excellent adhesion properties
- Only requires the addition of water

Stronger

- Independently tested and certified
- Water resistant
- The ductile and flexible nature allows for substantial bulging prior to failure

PERFORMANCE FEATURES

CHARACTERISTICS	
Form	Powder
Colour	Light grey
Bulk density	800-900kg/m ³
Application thickness	2-3mm
Coverage	10kg can cover 2.7m ²
PERFORMANCE	
Tensile strength at 14 days	4.3MPa
Bond strength at 14 days	2.5MPa to concrete / 2.1MPa to mild steel
Elongation at 14 days	55%
Positive hydrostatic pressure	Passes 5 bar (limit of testing equipment)
Crack bridging at 14 days	1.5mm
Tack Free (Touch Dry)	60-80 minutes (dependent on climate conditions)
Rate of Burning	Test Method ASTM D 635-06 – Complies with the requirement of HB Class
Abrasion Resistance	Test Method ASTM D 4060-10 – Complies
Anti-Slip Properties	Test Method DIN 51097:1992-11 – Passes ≥ 24° inclination
Flood Testing Horizontal Waterproofing	Test Method ASTM D5957-98 (Reapproved 2013) – No water leakage

FIRE HAZARD PROPERTIES AS PER AS / NZS 1530.3-1999

Ignitability Index	12	Heat Evolved Index	1
Spread of Flame Index	0	Smoke Developed Index	3

PACKAGING

Aquacrete Flexi-Liner™ is supplied in 10kg bags

STORAGE AND HANDLING

Product should be stored in original, unopened bags undercover in dry conditions.

NOTE

The performance test results are subject to variation depending on the care taken at the job site, the level of product application expertise, site conditions and any other conditions beyond WMT International control.

Refer to Safety Data Sheet for further information.

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