

Acoflex 100

Cement and Polymer Based Waterproofing Membrane
“ Elastic ”

Product description

Acoflex 100 is a 2-component waterproofing membrane based on cement and improved Polymer with an elongation at break of about 60%, applied to waterproofing exposed areas, old / new construction works. After construction and curing, **Acoflex 100** will form a tough, flexible and elastic waterproofing membrane for a long time.

Acoflex 100 is suitable for construction by roller, brush or sprayer.

Application

- Toilets, bathrooms, saunas
- Swimming pools, water tanks and retaining walls
- Kitchens, balconies, corridors and wet floors
- Concrete piles, sewers, manholes
- Bridge and port constructions
- Anti-rust protective coating for steel reinforcement.



Advantage

- Waterproof, moisture-proof
- Good adhesion on cement-based surfaces
- Can be applied on damp surfaces
- Good sealing of hairline cracks
- Resistant to alkalis and some chemicals
- Non-toxic, non-corrosive
- Allows the surface to ventilate moisture
- Environmentally friendly product.



Technical specification

Product origin	Acrylic co-polymer, cement and additives
PH value after mixing	10 – 12
Flammability	Non-flammable
Construction time	30 to 60 minutes, depending on weather temperature
Package	8 kg or 20 kg per set
Expiry date	12 months
Color after mixing	Grey
Material consumption	About 0.9 kg / m ² / layer; Minimum construction 2 layers
Storage	Store on pallets in a cool, dry place, away from moisture Do not stack more than 10 bags on 1 row



Safety and health protection

- Keep out of children
- Wear gloves, mask and goggles when applying
- **Acoflex 100** contains alkalis so avoid contact with skin and eyes
 - If splashed into eyes: Rinse eyes with clean water for at least 10 minutes and seek medical attention promptly
 - If on skin: Wash immediately with soap and clean water.

Using instruction

Surface preparation

- The concrete surface must be clean, level and hard to allow for uniform thickness application
- Remove all contaminants that will affect the adhesion of Acoflex 100 such as grease, curing agents and concrete chips, etc.
- The best cleaning method for large surfaces is by grinding and washing with a pressure washer
- Defective surfaces must be repaired before application
- Large cracks and voids must be filled with repair mortar.

Mixing

Pour liquid component (A) into a clean container. Then slowly add powder component (B) and mix continuously with a low-speed mixer equipped with a mixing paddle for 2-3 minutes until the mixture is homogeneous and lump-free; then let it rest for a few minutes to reduce the foam before applying.

Construction

- Moisten the entire surface with clean water before application but do not allow standing water
- While the surface is still damp, apply the first layer of **Acoflex 100** evenly. Allow the first layer to dry and form a film, then continue to apply the second layer, interlacing with the first layer. The curing time of **Acoflex 100** depends on the weather and temperature of the construction (about 3 - 4 hours)
- No need to moisten the surface when applying the second layer
- Apply at least two layers to achieve the desired thickness and waterproofing effect
- Apply layers for water tanks.

Note

- Avoid construction when it is raining
- Avoid rain and water during the curing period of the membrane
- Do not mix the mixture more than 15 minutes before construction
- Do not add cement or other substances when using

Cleaning tools

Clean all tools and equipment immediately after use with clean water.

Physical parameter

Testing criteria	Result	Standard
Water absorption (under 1.5 bar pressure for 7 days)	Not permeable	BS EN 14891 – 2012
Adhesion strength under normal condition	≥ 0.5 MPa	
Adhesion strength after soaking	≥ 0.5 MPa	
Adhesion strength after heat aging	≥ 0.5 MPa	
Elongation at break	≥ 60%	ASTM D 412 - 16
Tensile strength at break	≥ 1.0 MPa	ASTM D 412 - 16
Shore A hardness	≥ 50	ASTM D 2240 - 15
Hand drying time	≤ 2 hours	ASTM D 1640 - 03

For any information related to the product, please contact adchem's sales or the technical department.



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