

Acoflex 380

Acrylic-based Waterproofing Membrane
 “ Super Elastic “

Product complies with standard:
ASTM D6083

Product description

Acoflex 380 is 1-component waterproofing membrane based on Acrylic emulsion resin with elongation at break of about 350%, seals cracks up to 2mm, used for waterproofing roof floors and walls.

After application and curing, **Acoflex 380** will form a tough, flexible and super elastic waterproofing membrane, good UV resistance and durable in all weather conditions

White **Acoflex 380** also has the ability to reflect sunlight and reduce the temperature inside the house.

Application

- Concrete roofs with tiles, protective mortar or exposed
- Balconies, domes, fibro cement metal roofs, tiled roofs
- Direct waterproofing on surfaces constructed with Bitumen asphalt products that are aging, cracked and leaking
- Waterproofing and covering cracks in walls and joints between two houses.



Advantage

- UV resistance
- Diluted acid and alkali resistance
- Can be applied on moist surfaces
- High adhesion strength, good adhesion to material surfaces such as: concrete, mortar, iron, steel, wood, plastic, stone, terracotta surfaces
- Can be touched drying time early
- Waterborne product do not pollute the environment and the health of the construction worker.



Technical specification

Appearance	High viscosity liquid
Color	White, grey, green and brick-red
Explosive	Non-flammable
Packaging	5kg or 20kg per container
Expiry time	12 months
Storage	Store in a cool & dry place with temperature over 5°C Do not expose to direct sunlight for a long time



Material consumption

Depend on the thickness of the membrane:

- Primer layer (mixed with 20% water): about 0.2 kg/ m²/ layer
- Coating without fiberglass mesh: about 0.4 kg/ m²/ layer, apply at least 2 layers
- Coating with fiberglass mesh: about 0.7 kg/ m²/ layer, apply at least 2 layers.

Safety and health protection

- Work in a well-ventilated area
- Keep away from children
- Wear gloves, mask and goggles when working
- 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 splashed into skin: Wash immediately with soap and clean water.

Using instruction

Surface preparation

- Remove all contaminants that will affect the adhesion of **Acoflex 380** such as grease, surface curing agents and concrete chips, cement dust, mud, moss, etc.
- The best method for cleaning large surfaces is with a grinder and high pressure water jet
- The concrete surface must be clean, flat and hard to be able to apply a uniform thickness
- For uneven surfaces, they must be repaired before construction:
 - Large cracks must be filled with repair mortar containing Acobond **A38** additives
 - Expansion joints must be filled with **Elastoseal P100** joint sealant
- Concrete and masonry surfaces can only be constructed after 07 days.

Note

- Wipe off dust and dirt on the lid when opening
- Open the lid and stir well before use
- Do not apply on a surface that is too dry due to heat and radiation. The surface must be saturated with water to cool down before application
- Do not apply when it is raining or the surface has puddles
- **Acoflex 380** layer must be protected from water before it is completely dry
- Do not pour back into the container any excess that has been contaminated or mixed with water
- Close the lid tightly after use; use up as soon as possible.

Construction

• **Bonding primer:**

- **High water absorption surface:** low grade concrete, mortar...

Dilute **Acoflex 380** with 20 - 30% clean water to apply primer.

- **Low water absorption surface:**

Use **Acobond A530** to apply primer.

• **Waterproofing layer:**

- After the bonding primer is dry but still sticky, apply the first layer of undiluted **Acoflex 380** directly onto the primer surface, wait for it to dry and continue applying the second or third layer crisscrossing each other.
- The corner between the wall and the floor, wall and wall should be covered with fiberglass about 15cm wide to increase crack resistance.

Application tools: Roller, brush or sprayer.

• **Waterproofing for wall:**

Dilute **Acoflex 380** with 10% clean water, use a roller to apply 2 layers on the wall to seal all cracks and waterproof.

Cleaning tools

Clean tools immediately after use with clean water.

Physical parameter

Test criteria	Results	Standard
Water permeability under hydrostatic pressure	Impermeable (1.5 bar for 7 days)	BS EN 14891 – 2012
Adhesion strength at ordinary condition	≥ 0.5 MPa	
Adhesion strength after heat aging	≥ 0.5 MPa	
Ability to bridge cracks at ordinary temperatures	≥ 1.5 mm	
Elongation at break	≥ 350%	ASTM D 412
Tensile breaking strength	≥ 1.3 MPa	ASTM D 412
Shore A hardness	≥ 50	ASTM D 2240
Can be touched drying time	≤ 2 hrs	ASTM D 1640

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