

Acoflex 300

Acrylic-based Waterproofing Membrane
 “ Super Elastic “

Product complies with standard:
ASTM D6083

Product description

Acoflex 300 is 1-component waterproofing membrane based on Acrylic emulsion resin with elongation at break of about 250%, seals cracks up to 2mm, used for waterproofing roof floors and walls.

After application and curing, **Acoflex 300** will form a seamless, tough, flexible, super elastic and durable waterproofing layer under all weather conditions.

Application

- Wall, wall gaps between two houses, eave
- Concrete roof, dome, tiled roof, metal roof
- Toilet, bathroom, kitchen
- Balcony, drainage ditch.

Advantage

- Eco-friendly
- UV resistant, quick drying
- High adhesion strength
- Can be applied on moist surfaces
- No tooth marks appear on the surface like Bitumen asphalt products.



Technical specification

Appearance	Viscous liquid
Color	White, grey, green and cream
Application temperature	From 5°C to 35°C
Can be touched drying time	30 – 40 minutes
Complete drying time	24 hrs
Packaging	1kg or 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 layer: about 0.4 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 impurities that will affect the adhesion of **Acoflex 300** such as grease, surface curing agent and concrete debris, cement dust, mud, moss, etc.
- The concrete surface must be clean, flat and hard to be able to construct a uniform thickness
 - For uneven surfaces, they must be repaired before construction
 - New concrete must wait 07 days before construction is allowed.

Construction

- **Bonding primer:**

Dilute **Acoflex 300** with 20% clean water for primer application.

- **Waterproofing layer:**

Apply the first layer of **Acoflex 300** waterproofing to the surface of the bonding primer. Wait for the first layer to dry completely, then apply the second or third layer using the same method

Application tools: Roller, brush or sprayer.

- **Waterproofing for metal roof:**

Clean rust with **Ferri Clean**, apply **Acobond A530** bonding layer; then apply 2 layers of **Acoflex 300**.

If the metal surface is rotten or has holes, reinforce it with a layer of fiberglass mesh on the surface before applying **Acoflex 300**.

Note

- Each waterproofing layer must be applied approximately 3-4 hours apart
- Do not walk or step on the surface before it dries
- Re-sweep damaged areas before finishing the surface
- Protect the membrane surface after application, avoid rain and contact with water
- Do not apply on surfaces with high temperatures due to strong sunlight, spray water to cool down, otherwise the membrane is very susceptible to blistering.

Cleaning tools

Clean tools immediately after use with clean water.

Physical parameter

Test Criteria	Result	Standard
Shore A hardness	> 50	ASTM D 2240-02
Tensile Strength	≥ 1.3 MPa	ASTM D 412-02
Elongation at Break	≥ 250%	ASTM D 412-02
Adhesion Strength	> 0.5 MPa	ASTM D 4541-02
Crack Coverage (2mm)	Good	ASTM C 1305
Water Resistance (0.3 MPa in 120 minutes)	Impermeable	DIN 1048 part 5

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



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