

# Acoflex 328

Polyurethane-based Waterproofing Membrane  
“ Elastic “

## Product description

**Acoflex 328** is a 1-component waterborne Polyurethane waterproofing membrane used for waterproofing roofs and walls.

After application and curing, **Acoflex 328** will form a waterproofing membrane with high tensile strength and elongation at break of about 250%, the ability to bridge cracks over 2mm, good UV resistance and durability in all weather conditions.

White **Acoflex 328** also has the ability to reflect sunlight and reduce the temperature inside the house.

## Application

- Concrete roofs with protective tiles, mortar or exposed ceilings
- Balconies, domes, fiber cement corrugated iron, cement, tiled roofs
- Direct waterproofing on constructed surfaces with with Bitumen-based products that are aging, cracked and existing
- Waterproofing, covering cracks in walls and joints between two houses.



## Advantage

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



## Technical specification

Appearance	High viscosity liquid
Color	White, grey, green and cream
Explosive	Non-flammable
Packaging	5kgs or 20kgs per container
Expiry time	12 months
Storage	Store in a cool & dry place, 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/ m<sup>2</sup>/ layer
- Coating without fiberglass mesh: about 0.4 kg/ m<sup>2</sup>/ layer, apply at least 2 layers
- Coating with fiberglass mesh: about 0.7 kg/ m<sup>2</sup>/ 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 328** such as grease, surface curing agents and concrete chips, cement dust, mud, moss, etc. The best method for cleaning large surfaces is using 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 A33** additive
  - 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 surfaces that are 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 of water
- **Acoflex 328** 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 after use; use up as soon as possible.

### Construction

#### • Bonding primer:

➤ **Surfaces with high water absorption** (low grade concrete, mortar...):

Dilute **Acoflex 328** with 20 - 30% clean water for primer.

➤ **Surfaces with low water absorption** (high grade concrete, quartz tiles, corrugated iron roofs...):

Use **Acobond A530** for primer.

#### • Waterproofing layer:

- After the bonding primer is dry, apply the first layer of undiluted **Acoflex 328** directly onto the primer surface, wait for it to dry and continue applying the second or third layer according to the waterproofing condition
- The corners between the wall and the floor, wall and wall should be covered with fiberglass about 15cm wide to enhance crack resistance.

#### • Waterproofing for wall:

Dilute **Acoflex 328** with 10% clean water, use a roller to roll 2 layers on the wall to seal all cracks and waterproof.

### Cleaning tools

Clean tools and equipment with clean water before drying.

### Physical parameter

Test criteria	Results	Standard
Water permeability under hydrostatic pressure (1.2mm thick Acoflex 328 membrane layer)	Impermeable ( 1.5 bar for 7 days )	BS EN 14891 – 2012
Adhesion strength at ordinary condition	≥ 0.5 MPa	
Adhesion strength after soaking	≥ 0.5 MPa	
Adhesion strength after heat aging	≥ 0.5 MPa	
Ability to bridge cracks at ordinary temperatures	≥ 2.0 mm	
Elongation at break	≥ 250%	ASTM D 412
Tensile breaking strength	≥ 2.0 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.**