

Acoflex 228

Waterproofing Compound To Mix With Cement
“ Elastic “

Product description

Acoflex 228 is a 1-component liquid premixed waterproofing compound, which only needs to be mixed with cement when applied. After drying, it forms a tough, flexible and elastic waterproofing membrane on concrete or cement-based surfaces.

Application

- Concrete roof, balcony, terrace
- Wall surfaces
- Toilet area, wet area
- Water tank.

Advantage

- Easy to use, just mix **Acoflex 228** with cement
- Easy to apply by brush, roller or sprayer
- Waterproof and elastic
- Good adhesion on mortar and concrete surfaces
- Eco-friendly.



Technical specification

Product origin	Polymer emulsion and additives
Mixing ratio	Acoflex 228 : Cement = 1 : 0.5 ~ 1
Packaging	6 kgs or 18 kgs per container
Expiry date	12 months
Material consumption	About 0.4 - 0.6 kg / m ² / layer (depend on cement mixing ratio) Apply at least 2 layers
Storage	Store in a cool, dry place at temperature of 5°C - 35°C Avoid sunlight



Physical parameter

Testing criteria	Standard results	Test method
Water permeability under hydrostatic pressure (1.5 bar for 7 days)	Impermeable	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	
Elongation at break	≥ 60%	ASTM D 412 - 16
Tensile breaking strength	≥ 1.0 MPa	ASTM D 412 - 16
Shore A hardness	≥ 50	ASTM D 2240 - 15
Can be touched drying time	≤ 2 hrs	ASTM D 1640 - 03

Safety and health protection

- Keep out of 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

- 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 228** 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
- The surface must be completely saturated with water but not left standing before waterproofing
- Defective surfaces (porous or peeling surfaces...) must be repaired before application
- Large cracks and voids must be filled with repair mortar.

Mixing

- Use a mixer to stir the **Acoflex 228** mixture thoroughly before mixing with cement. To achieve the best quality after mixing, use a low-speed electric mixer (< 500 rpm) or a forced mixer
- Slowly pour the required amount of cement (According to the mixing ratio **Acoflex 228 : Cement = 1 : 0.5**) into the **Acoflex 228** mixture container and continue to mix well with the mixer for about 3 minutes until the mixture is homogeneous
- If mixing at a ratio of **1 : 1**, the cement should be moistened with clean water first to avoid lumps.

Construction

- Moisten the entire surface with clean water before construction but do not let water accumulate
- While the surface is still damp, apply the first layer of **Acoflex 228** and let it dry for about 4-8 hours (at temperatures above 20°C), then continue with the next layer. The curing time of **Acoflex 228** depends on the weather and temperature of the construction site.
- Apply a minimum of 2 layers to achieve the desired thickness and waterproofing effect.

Construction tools: Brush, roller or sprayer.

Note

- Concrete and mortar surfaces must be at least 14 days old before waterproofing with **Acoflex 228**
- **Acoflex 228** should be used up in one go after opening the container.

Cleaning tools

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

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



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