

ACRYFLEX 2K EXTRA STRONG

Version : 2.0



Flexible, Two Component Sealing Slurry for Sealing Under Tiles, Protecting Concrete Surfaces and Waterproofing of Buildings.

PRODUCT DESCRIPTION: AcryFlex 2K ExtraStrong is a two component, crack-bridging, flexible sealing slurry with an excellent bonding to mineral surfaces. After setting, the sealing slurry is completely watertight and permeable to vapour diffusion, impermeable to chlorides as well as resistant to frost and ageing. Safe even in case of subsequent tension cracks.

AcryFlex 2K ExtraStrong is a cementitious membrane which can also be used for waterproofing of junctions like joints and fillets as a part of the Crystalline system.

AREAS OF APPLICATION:

- » Provides waterproofing under tiles at high water exposure, for wet rooms (walls and floors), terraces and balconies.
- » Able to seal massive constructed swimming pools and water tanks with a water depth of up to 6 meters.

Suitable Substrates

- » Surfaces which are sufficiently stable as screed, concrete, masonry, aerated concrete and plasters.

FEATURES AND BENEFITS:

- » Crack-bridging
- » Light coloured
- » Flexible
- » Excellent bonding to substrate
- » Ductile
- » Can easily be spread using a brush, sprayer or spatula

APPLICATION METHODOLOGY:

Surface Preparation

- » The surface to be waterproofed must be sound, clean, free of dust, oil, paint, curing agents, loose cement or lime plaster & concrete, debris, or any separation layers.
- » All sharp edges need to be levelled; honeycombs to be treated and loose concrete to be removed and repaired using Chowgule's Repair Mortar.

Surface Wetting

- » Before applying AcryFlex 2K ExtraStrong, the substrate has to be pre-wetted thoroughly in order to achieve a slightly (not shiny) humid surface. Remove excess water or puddles.

Mixing

- » One bag of 30 Kg of AcryFlex 2K ExtraStrong Component A (powder) is gradually added to 9.6 kg of Component B (liquid); continuously mixed using a slow speed paddle mixer.
- » Mix it for 3 minutes till a lump-free homogeneous consistency is achieved.
- » The wet mix should be used within 30 minutes of mixing.
- » It is not possible to add water, or the fluid component to the sealing slurry, when it has already started to set.

Application

Product Used

- » AcryFlex 2K ExtraStrong

Methodology

- » Apply the product richly and evenly in 2 to 3 working steps using a hard brush of Grade 1 (31 no.), a wide-paint brush, a spatula or a suitable spraying device.
- » The thickness of the applied coating is recommended to be 1 mm and must not exceed 5 mm.

Drying Time

- » The drying period depends on the temperature, air movement, humidity and the layer thickness of the coating. At a temperature of + 20° C and a relative air humidity of 50 %, the drying period is about 6 - 8 hours.
- » Foot traffic is permitted on AcryFlex 2K ExtraStrong after 24 hours and the sealing can then be covered with ceramic coverings using solvent-free tile adhesives following the thin-bed technique.
- » Before filling up earth or applying protection coatings on the AcryFlex 2K ExtraStrong, the sealing has to be completely dry (1 - 3 days depending on temperature and air humidity).

TECHNICAL PARAMETERS:

No of Components	2	
Application	Brush	
Shelf Life	6 Months	
Appearance	Grey	
Mixing Ratio by Weight	3:1	
Workability Time	30 Minutes	
Drying Time	24 Hrs	
Application Temperature	10° - 40° C	
Foot Traffic	24 Hrs	
Elongation	120 ± 10 %	ASTM D 412
Tensile Strength	1.0 ± 0.2 MPa	ASTM D 412
Adhesion to Concrete	> 0.8 MPa	ASTM D 4541
Crack Bridging	0.4 mm	ASTM C 836
Water Migration / Resistance to Hydrostatic Head	4 Bar	ASTM D 5385
Abrasion Resistance	0.1 gm / 1000 Cycle	ASTM D 4060
Mixed Density	1.75 g / cc	ASTM D 1475

Coverage

Application	Quantity/area	Minimum Layer Thickness
For Joints	0.25 Kg / rmt	2 mm (for a width of 100 – 125 mm)
For Entire Surface	2 Kg/m ²	1 mm

Note:

- » You may apply third coat for areas subject to water pressure.
- » Reinforcement with sealing tape NVV and sleeves NVV.

PROTECTION:

- » Exposure to extreme heat, draft, frost and rain.
- » Pipe penetrations and downspouts should be sealed with wall and floor sleeves **NG / NV** as well as edges and corners with sealing tapes **NG / NV**.
- » These are inlaid in the fresh first layer and coated with the second.

PRECAUTIONS

- » In high temperature conditions, AcryFlex 2K ExtraStrong material tends to dry fast so appropriate quantities should be mixed.
- » AcryFlex 2K ExtraStrong should not be used when the temperature of the air, respectively the substrate is below +5° C.
- » Protect the fresh applied coat from rapid water evaporation, exposure to extreme heat, draft, frost and rain.

- » The sealing slurry must not be modified with other additives.
- » When working outside of buildings, the coating must be protected against heavy sunshine at higher temperatures during hardening.
- » When filling up material, make sure that there is no direct contact between water-binding soil (clay) and the sealed area.
- » Water-binding soils have to be separated from the sealing layer by filling up water permeable filling material in layers in a 50 cm wide area in front of the sealing.

PACKAGING

Component A: 30 kg

Component B: 9.6 kg plastic container

HEALTH AND SAFETY

- » Irritating to eyes and skin
- » Keep away from children
- » Do not breathe in dust
- » Avoid contact with eyes and skin
- » In case of contact with eyes, rinse off thoroughly with water and consult a doctor.
- » Wear suitable protection gloves and goggles/face protection during work.
- » In case the product has been swallowed, seek medical advice immediately and present the pack label.

CLEANING OF TOOLS AND EQUIPMENT

Tools as well as dirty areas to be cleaned with water immediately after use.

SHELF LIFE AND STORAGE

AcryFlex 2K ExtraStrong can be used for a period of six months when stored in a cool place in its original closed containers, protected from humidity.

DISCLAIMER

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