

Flexell AC

High flexible Acrylic Waterproofing Membrane

Product description:

Flexell AC is a liquid-applied elastomeric acrylic waterproofing membrane. It is formulated easily to apply by brush, roller and spraying equipment. After cure, it forms a very elastic membrane. This membrane will remain permanently elastic; it will neither shrink nor crack, and keep its colour. It is resistance to ultra violet ray and weather change. **Flexell AC** has an excellent adhesion to most porous and non-porous surface.

Application areas:

Flexell AC is recommended used to waterproof and repair watertight for all roofs, gutters, eaves, balconies, walls and domes etc. to against water penetration and seepage for all weather conditions.

Flexell AC can be used straightaway on various kinds of substrates such as:

Concrete, mortar, ferrous and non-ferrous metal, tiles, corrugated iron, plastics and bituminous felt etc.

Advantages:

- Waterproofing and weather proof
- Low VOC
- Cracks bridging up to 2mm
- Environment friendly
- Fast touch drying
- High elongation
- Excellent bonding on various substrates
- Excellent for exposed application.
- Easy application and handling
- No cracks appear on the surface after few months such as cementitious and bitumen modified products when exposed to the sunlight.

Technical Specification:

Product based	Dispersion Acrylic co-polymer
Colour	White, Grey, Green and tile red.
Consistency	High viscosity pasty liquid
Specific gravity	1.35– 1.40 kg/litre.
Application temperature	+5°C to +35°C
Storage	1 year in cool, dry place. Store above + 5°C
Packaging	5 kg & 25 kg plastic drum.



APPLICATION INSTRUCTION

Surface Preparation:

Clean the surfaces; remove all debris, stones, sand, rust etc. surfaces must be dry and sound. Fill all cracks with repair mortar, cement grout or sealant.

Priming:

The surfaces should be primed with **Acobond A530 Primer**, allowed to dry and tested for adhesion. In case there are joints, fill one layer of fibre-glass-mat cover the joint in between two coatings is recommended.

Application:

Wait until the primer coat cured but still sticky. Apply the first coat of **Flexell AC** over the primer coat, then wait until it cured completely continues apply the second coat or the third coat.

If the surfaces has protected with mortar or tiles: It must spread a layer of clean, dry sand on the last coat of **Flexell AC** surface to crease a porous bonding bridge.

Consumption:

0.8 – 1.2kg/1m². (Without fibreglass reinforcement).

1.5 – 1.7kg/1m². (With fibreglass reinforcement)

Limitation:

Avoid water and raining during the application and curing time.

Avoid permanent traffic on the surface of Flexell AC during the cure time.

The construction site must be good ventilation condition.

Cleaning Tools:

Remove all excess material and any smears. Tools and mixing equipment are best cleaned immediately after use with water.

Health Protection:

While working with **Flexell AC** materials safety goggles, gloves and safety clothing should be worn at all times. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Adequate ventilation in volume and pattern should be provided in working area. Further protection: emergency showers and eyewash stations. Please refer to Health & Safety Data Sheet for complete information.

Physical Properties:

Set to touch	< 2 hours	ASTM D 1640
Tensile strength	> 1.3 N/mm ²	ASTM D 412
Elongation at break	> 300 %	ASTM D 412
Adhesion to substrate – after 28 days cure.	> 0.5 N/mm ² .	ASTM D 4541
Crack bridging	No cracking at 2mm width.	ASTM D 836
Resistance to water penetration 0.2 kg/cm ² for 12 hours (mm).	No water penetration.	DIN 1048 Part 5
Shore A Hardness (7-day cure)	>40	ASTM D 2240

