



One Component, Fibre Reinforced, Elastomeric, Water Based, Ready to Use, Membrane Forming Acrylic Waterproof Coating for Roofs, Walls, Slabs or Masonry

General

SS - FlexProof AC is a ready to use, fibre reinforced, elastomeric, membrane forming, liquid applied coating based on selected waterproof acrylics, special fillers and additives. The material is suited for most cement bound substrates to provide excellent waterproofing properties. The material, applied in liquid form, forms a tough, elastic and durable waterproof membrane.

SS - FlexProof AC is easy to apply, economical and durable. It is UV resistant and highly flexible, which makes it suitable for use in external areas (exposed to sun). The coating will not degrade and can easily withstand thermal expansion of the substrates. It can also seal and bridge movements of minor cracks in the substrate.

SS - FlexProof AC can be applied on a variety of substrates such as concrete roofs, AC / metal sheets, southwest facing deadwalls in buildings and as protection for various RCC Structures. The material can also be used with masonry as a flashing layer / dampproof course. **SS - FlexProof AC** can also be used on flat slabs and terrace gardens, sandwiched in a layer of protective plaster. It has a good resistance to alkalis, salt solutions & diluted acids. It is non hazardous.

Product Features

- Ready to use, straight from the bucket
- Elastomeric and crack bridging
- UV Resistant
- Can be used both indoors and outdoors
- Easily repairable if damaged
- Water based, environmentally friendly
- Applicable on a variety of substrates
- Protects substrates from both water and pollution, chlorides and gases
- Breathable
- Reduces Biological growths, moss, fungus etc.
- Can be pigmented to required colours
- Can be used over joints



Areas of Application

- Waterproofing of sloping roofs
- Domes
- Southwest facing deadwalls
- Chajjas, Parapet Walls
- Metal or asbestos - cement roofing sheets (with joint reinforcement)
- Flat slabs, balconies, terraces and terrace gardens (reinforced with mesh and in a sandwich system)
- As a flashing / dampproof layer in a masonry / block wall
- Roof drains and other appurtenances
- Masonry-RCC junctions, roof sheet joints, bolts, etc.



Areas of Application

Specification Keywords	Elastomeric, flexible, membrane forming, acrylic waterproofing, breathable, UV resistant, crack-bridging, water based, roofs, walls, domes, balconies, terraces, roofing sheets, joints
Delivered As	White Paste, colours on request
Storage Instructions	In Original Packing. In a cool dry place.
Shelf Life	12 Months from date of Manufacture.
Post Use	Use Complete Packs, Dispose packaging according to local regulations.
Packing Size	40 kg



Hazards and Safety



Technical Data

Specific Gravity	1.34 +/- 0.05
pH	> 8
Application Temperature	5° C to 40° C
Viscosity	~ 15,000 cps
Consumption	1.4 kg / m ² / mm thickness, depending on roughness of surface
Surface Usable After	48 hours

Instructions for Use

Always test in a small inconspicuous area with a 24-hour cure time to determine consumption, ease of application and desired results. Surface temperature should be 10 - 30 °C. Follow substrate preparation rules for painting surfaces. The substrate must be clean, dry and free from all loose particles, old paint, dust, oil and other materials having a separating effect. The substrate should be of sound nature and adequate strength (pull off strength > 1.5 N/mm² is most suitable) for maximum protection.

For Cracked surfaces, analyze the cracks, before coating. Repaired surfaces should gain sufficient strength prior to coating. **SS - FlexProof AC** is recommended to be applied after complete curing of concrete or plasters and is compatible with most polymer cement mortar substrates. Surfaces can be moist but not saturated with water. The product should be thoroughly mixed mechanically before application. **SS - FlexProof AC** should be applied by brush or roller or by airless spray method.

Once surface preparation is complete, prime the surface with 1 part by weight of **SS - FlexProof AC** thoroughly mixed with 1 part of clean potable water. Once the primer coat is just dry, apply **SS - FlexProof AC** in 2 coats in directions perpendicular to each other. Suitable glass fibre mesh or reinforcing fabric can be embedded in the system to give it additional toughness. The mesh / fabric is embedded in **SS - FlexProof AC** after the 1st coat, using a spatula or roller till fully saturated and then the 2nd coat can be applied. The same procedure (with mesh / fabric reinforcement) can be used to fill and waterproof, cracks, junctions of RCC and masonry as well joints in roofing sheets and appurtenances. On flat slabs, terraces, balconies and terrace gardens, use a reinforcement mesh for the entire area to be coated. Sprinkle dry, sharp sand on the wet coating (2nd coat) for a mechanical key and finally protect the **SS - FlexProof AC** with a cement screed laid to slope to drain off water.

Allow 48 hours to cure and protect it from rain / water during this curing period.

Safety and Precautions

- Do not apply in situations where material is directly exposed to standing / ponding water
- The material can be diluted with water upto 5% by weight to facilitate mixing and application if too pasty for application.
- Corresponding safety rules are to be followed. Contact us for other applications of this material system for the protection of your structures.
- It can cause damage to skin and eyes. Wear protective gloves and goggles and take the usual precautions for handling chemicals while using. If inhaled, move immediately to fresh air. In case of skin or eye contact, flush immediately with water for 15 minutes.
- Clean up promptly after job is complete. Clean equipment with water and allow to dry in a well-ventilated area. Allow rags etc. to dry in a well-ventilated area out of the reach of children and pets.
- Local, state and federal regulations should be consulted for proper disposal procedures.