



Two Component, Flexible, Cementitious Coating System for Waterproofing and Protection of Cement Bound Substrates and Masonry

General

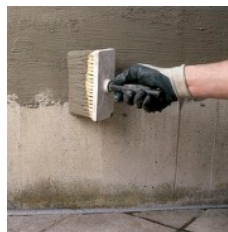
SS - CrystoSeal Flex is a two component cementitious system, comprising of a powder and a liquid component, which when mixed forms a chemically active slurry that forms crystalline hydrates and a flexible, water resistant membrane due to the polymer component. The powder is composed of a cementitious binder, well graded fillers and a combination of active additives. The liquid is a polymer modifier. **SS - CrystoSeal Flex** can be used to waterproof most structures like buildings, bridge piers, culverts, tunnels and structures where water pressures are high. It can be used for waterproofing terraces, roofs, parking structures, basements, swimming pools, sanitary areas etc.

SS - CrystoSeal Flex forms an elastic membrane with good abrasion, water and chemical resistance. It is most suitable for protection from chloride attacks. This coating has crack bridging capability. Additional coats increase the crack bridging characteristics.

SS - CrystoSeal Flex forms a breathable (allows water vapour diffusion) cover that forms an integral part of substrates and shows resistance to water ingress, both on the positive as well as negative side. Being mineral in nature, its breathability and thermal characteristics are similar to the underlying substrate, assuring a long lasting protection against water. Being a polymer fortified system, the system shows good performance in accommodating thermal movements in structures.

Product Features

- Cement Based, Easy to Apply and Economical
- Breathable, non-toxic
- Resistant to moss and fungus
- High water resistance for Coated Surfaces
- Resistant to high water heads
- Chloride Free but chloride and salt resistant
- Adequate crack bridging abilities, toughness and flexibility
- UV and abrasion resistant



Areas of Application

- Indoor areas such as bathrooms, kitchens, wet areas
- Terraces, roofs, basements (exterior), deadwalls, etc.
- Brickwork, block masonry and plastered surfaces
- Lining water tanks, swimming pools, STP, canals only in sandwich system
- Footings, underground structures, Lift pits, balconies
- As waterproof render on damp masonry
- Infrastructure projects
- Damp proof material for bathroom ceilings and walls

Areas of Application

Specification Keywords	2 Component, Flexible, Polymer Modified, Cementitious, waterproof coating, breathable, UV Resistant, protection system
Delivered As	Component A: Grey Powder, Component B: White Liquid
Storage Instructions	Store in a cool, dry area away from sunlight in original packaging
Shelf Life	12 months
Post Use	Empty packaging completely. Dispose as per local regulations. Refer MSDS for suggestions.
Packing Size	Powder: 30 kg, Liquid 30 kg, 5kg

Assess Build Chem Private Limited



Hazards and Safety



Technical Data

Specific Gravity	Powder: 1.8 +/- 0.05 Liquid: 1.1 +/- 0.05
Consumption	1.6 kg / sq. m / mm thickness
Mixing ratio	100 p.b.w. Component A : 50 p.b.w. Component B for brushable slurry
Post Application	Protect from rapid evaporation

Instructions for Use

Prior to use, adequate surface preparation is needed. The substrate should be structurally sound, free from oils, grease, dust or curing compounds, etc. The cracked surfaces should be free from paints and laitance. The substrate should be thoroughly wetted prior to application of **SS - CrystoSeal Flex**. Also ensure the substrate is structurally sound. Application is preferably by brush to ensure good penetration into the substrate. Adequate slopes and drainage complying to principles of waterproofing should be followed for best results. All joints to be waterproofed must be flush jointed. For severe leakage use **SS - QuickStop MP** to fix leakages before application of **SS - CrystoSeal Flex**.

SS - CrystoSeal Flex is supplied as a Powder (Component A) and Liquid (Component B). Weigh out **SS - CrystoSeal Flex** (Components A and B). Add the powder to the liquid and not vice-versa as it helps in dispersion of the polymers. Mix Mechanically for 2 to 3 minutes to get a flowable slurry. Do not add water. Apply **SS - CrystoSeal Flex** in two to three coats on the prepared substrate, brushing the materials thoroughly into the substrate. Wait till the 1st coat is dry (3 to 5 hours) and apply the 2nd coat perpendicular to the 1st coat.

Avoid heavy traffic on the coating until the surface is cured for at least 5 days. The material can be used in combination with reinforcing mesh to get better toughness. The coating is self curing, but should be protected from direct sunlight, moisture, rain, frost etc. Protect the coating from damage using a polymer screed admixed with **SS - LeakProof AC**.

Safety and Precautions

- Mix only small quantities that can be used within 30 minutes.
- Water should not be added to hardened mixture.
- Higher temperatures accelerate the hardening and lower temperature delays it.
- The material requires adequate protection from drying out. Contact us for any other special applications.
- Take suitable safety precautions at all times. Always wear protective goggles, safety shoes, masks and gloves.
- If inhaled, move immediately to fresh air. In case of skin or eye contact, flush immediately with water for 15 minutes.
- Remove contaminated clothing and shoes and call a physician.
- 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.