



Multipurpose, Acrylic Co-Polymer Based Compound for Preparation of Waterproof Mortars, Waterproofing Slurries, Repair Mortars, and other Polymer Modified Mortars

General

SS - PolyAdd HP is a specially selected and formulated acrylic co-polymer dispersion additive, developed for production of enhanced waterproof mortars and concretes. The improved cohesion, tack, impermeability and workability the material provides, makes it suitable for use as in waterproofing mortars and slurries, to produce polymer modified patching mortars and bonding and protection sealers. The material's applications can be extended to production of other specialty mortars such as screeds, plasters, and bonding adhesives. This general purpose additive develops mortar properties seen as combination of our other Polymer Additives, namely SS - LeakProof AC and SS - PolyBond AC. It can thus be used for both waterproofing and repairs.

SS - PolyAdd HP in its original form can be used as a dustproofing sealer, or even as a basic curing aid for concrete. **SS - PolyAdd HP** does not contain chlorides or corrosion promoting ingredients. It is UV Resistant, and provides excellent impermeability and abrasion resistance to prepared mortars. It enhances bonding, impermeability and flexural strengths of prepared mortars. Strength of adhesion to the base is distinctly improved. **SS - PolyAdd HP** is formulated for low air entrainment. This allows excellent adhesion to between existing mortars/ concretes and fresh mortars with an increase in impermeability compared to the reference mortars.

Product Features

- Provides excellent impermeability, abrasion resistance and enhanced mechanical properties to mortars
- Chloride free and free from corrosion promoting ingredients
- Alkali and water resistant
- Non toxic, Ideal for waterproofing / repair of potable water tanks
- Resistant to micro-organisms, fungus, algae and moss and UV rays
- Improves plasticity and Flexural Properties of Mortars
- Improves adhesion of mortars to substrates as well as provides efficient bond between old and new concretes or mortars



Concrete & Mortar Additives



Areas of Application

- Production of waterproof / carbonation resistant mortars and coatings
- Additive in flexible waterproofing coating for basements, toilets sunk slabs, swimming pools etc.
- Additive to increase water, alkali and oil resistance of concrete, especially in floor slabs
- Preparation of repair mortars
- Bonding additive for tile fixing
- Preparation of waterproofing slurries for tanks, bathrooms, terraces, etc.
- Preparation of waterproof plasters and renders
- Dustproofing and Curing Sealers



Areas of Application

Specification Keywords	Acrylic Co-Polymer Dispersion, waterproofing agent, water and wear resistance, alkali resistance, flexural strength, chloride free, non-toxic, sealer
Delivered As	White Coloured Liquid
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	20 kg, 230 kg

Assess Build Chem Private Limited



Hazards and Safety



Technical Data

Sp. Gravity	1.05 ± 0.05
Dosage	5 to 20% by weight of binder, depending on application
Chloride Content	< 0.01%
Usage Temperature	> 20°C
Potlife	20-40 minutes
Setting time of Mortars	4 to 8 hours, depending on ambient temperature

Instructions for Use

As for all mortar / bond coat applications, proper surface preparation is essential. The substrate to be bonded / repaired should be structurally sound, free from oils, grease, laitance, dust or curing compounds. Blend **SS – LeakProof AC** with a cement – fine sand mixture to make a slurry or mortar as required.

Always add the powder to the measured **SS - PolyAdd HP** and not vice-versa as it helps in dispersion of the polymers. Mix Mechanically for 2 to 3 minutes to get a Mortar or slurry. Water if needed can be added to get the correct consistency.

Wait 3 to 5 minutes for the polymers to activate and mix again prior to using. Use / apply the mortar or bond coat as required. Some basic application types are listed below:

- **Bond Coat:** 1 part OPC + 1 part fine sand + 0.5 parts **SS - PolyAdd HP** + Water as needed to get slurry consistency
- **Waterproofing Slurry:** 1 part OPC + 1 part fine sand + 1 part **SS - PolyAdd HP**
- **Repair / Waterproof / Screed Mortar:** 1 part OPC + 3 part coarse sand + 0.2 parts **SS - PolyAdd HP** + Water as needed to get mortar consistency
- **Sealer / Dustproofer / Curing Compound:** 1 part **SS - PolyAdd HP** + 1 part Water

Safety and Precautions

- Mix only small quantities that can be used within 30 minutes.
- Do not add water to hardened slurry / mortar.
- Higher temperatures accelerate the hardening and lower temperature delays it.
- The mortar requires adequate protection from drying out and needs curing. Please contact us for special applications.
- Over-dosage may cause retardation in mortar
- **SS - PolyAdd HP** on its own is non-toxic, however any cement composition, when in contact with water, sweat or other body fluids causes irritant alkaline reaction and allergic reactions to those predisposed.
- 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.