



Specially designed Multifunctional Air Entraining Admixture for providing Waterproof, Non-sag, Stability, Cohesion, Water Retentive and Rebound Reducing Properties to Mortars and Plasters

General

SS - PlastProof IL is a Specially designed Multifunctional Air Entraining Admixture for Plasters and Mortars. The material is based on selected waterproofers, air entraining agents, plasticizer and stabilisers for mortars and wall plasters. The material is free from chlorides. It provides controlled plasticity and air entrainment to different types of mortars. It is chloride free and can be mixed with all types of mortars used for brick laying rendering, screeds, patching and pointing etc. It improves the workability and homogeneity of the mix. **SS - PlastProof IL** improves yield of the mortar and reduces rebound wastage to bring economy to plastering / mortar works.

SS - PlastProof IL entrains air in the mortar in the form of evenly spaced microscopic air bubbles throughout the matrix. This improves the workability, retention, cohesion, bonding efficiency and stability of the mix. It enhances the resilience and water retaining capacity of the mortar.

In hardened mortars, these properties provide resistance to thermal fluctuations, which minimizes cracking. The capillaries are made discontinuous and waterproof providing a higher degree of imperviousness and resistance to aggressive influences.

Product Features

- High Performance Multi-functional admixture to provide air entrainment, stability, plasticity and cohesion
- Can be used with blended cements and mixes with high percentage of OPC replacement for high durability
- Robust Formulation, Suitable for most mixes
- Provides excellent freeze-thaw resistance to plasters
- Helps water retention, stability of mixes
- Chloride free
- Non-Toxic and Non inflammable
- Provides cracking resistance and water tightness
- Lowers water content in the mix
- Improves bonding properties of the mortar

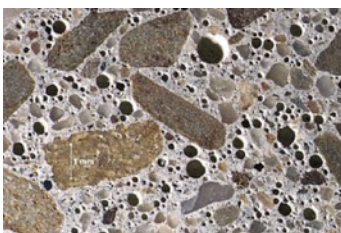


Concrete & Mortar Additives



Areas of Application

- External and Internal Plaster
- Masonry Mortars and Blockwork Mortars
- Waterproof Plasters for Deadwalls
- Spray Plasters
- Suitable for all standard cements like OPC or Blended Cements or Mixes with high percentage of OPC replacement
- Screeds
- Non-sag plasters
- Reduced rebound hand-applied / spray applied plasters



Areas of Application

Specification Keywords	Multifunctional waterproofing, Air Entraining Admixture, water reduction, improved cohesion, stability, freeze-thaw resistance, pumpability, chloride free, OPC, Blended Cements
Delivered As	Whitish 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, 30 kg, 230 kg



Hazards and Safety



Preliminary Trials Mandatory

Technical Data

Sp. Gravity	1.00 +/- 0.05
Dosage	0.5 to 1.0% by weight of binder
pH	> 6
Chloride Content	< 0.1%
Ash Content	Negligible

Instructions for Use

Add **SS - PlastProof IL** to the mortar during mixing, most preferably along with the additional water. Do not add **SS - PlastProof IL** to the dry sand/cement mix, as it reduces efficiency of the admixture. The mixing time after addition of the admixture should be long enough to allow the admixture to function completely. The concrete to be produced can be mixed in a standard drum mixer or a modern batching plant / pan mixer setup. Measure the air contents of the mix as per requirements and codes.

In-case the admixture needs to be dosed on-site into mixers, please follow corresponding engineering and safety rules. Post addition, mix at full speed for atleast 3-5 minutes, to allow the admixture to disperse homogeneously. As with all chemical products, take care during use and storage to avoid contact with eyes, mouth, skin or food.

In case of contact, rinse eyes and skin immediately with plenty of water. If ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Do not reuse containers for storing water or other consumable foods. Use Complete Packs.

Safety and Precautions

To determine individual technical suitability, test the admixture under application conditions. Please allow us to assist you for your concrete technology testing/needs. Follow relevant standards for production, placing and curing of the plaster. As with any plaster, efficient curing is essential to develop final properties mechanical and durability properties. Air entrainment reduces the strength of the mortar and should be considered as part of the mix design process

Depending upon the plaster mix severe over dosage of the admixture may result in apparent incompatibility such as bleeding/segregation, quick loss of slump, excessive air entrainment, extended initial and final setting times etc. Slight overdosing would not severely affect the ultimate strength of plaster provided the concrete is properly mixed, handled and applied and cured.