



Specially Formulated OPC Free, Lime Based, Water Resistant, Mortar for Repair or Plastering Old and Heritage Structures

General

SS – HistoRep CFW is a one component, non-shrink, waterproof, OPC Free, Lime Based mortar, which can be used for a variety of repair operations, in old or Heritage structures, where the need for a reasonably waterproof repair or plastering mortar exists. **SS – HistoRep CFW** ensures controlled strength development and excellent bond to offer a restored substrate that can be utilized in a reasonably short time and a reasonably, waterproof and crack free protection is obtained. The wet sprayable formulation ensures low rebound and quick repairs. The material can also be used as a trowel applied mortar.

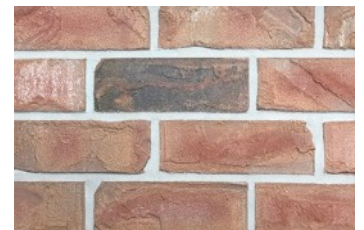
SS – HistoRep CFW is specially formulated to meet the requirements described above, owing to the selection of particularly suitable hydraulic limes, aluminosilicates similar to old fashioned neeru, special performance enhancing additives, spray aids, polymer binders and well – graded fillers. **SS - HistoRep CFW** benefits the user by being easy to apply, provides an excellent surface for Protective Coatings to be applied post treatment. The mortar when applied dries quickly, gains minimal strength and stability in a short period of time and is **free of OPC**. The unique lime based binder system, is breathable, has excellent binding capability, non-sag ability and smooth applicability. The unique semi-hydraulic nature of the lime based system, ensures compatibility with heritage structures. The product can be customised to specific project needs for mechanical and durability properties.

Product Features

- Ready to use, just mix water and apply
- Non-Shrink, Waterproof, Crack Resistant
- OPC, PPC Free
- Breathable Lime based binder system for Heritage Structures
- Can be used as a repair mortar or as protective plaster
- Reasonably waterproof and water resistant
- Needs minimal curing, air cures by lime carbonation
- Smooth application
- Non-sag, stable
- Traditional Lime based system, incorporating modern chemistry for easy application
- Can be Customised to site requirements



Historical
Products



Areas of Application

- As a plaster or render in heritage structures
- As a covering over stone masonry
- As a covering over brick masonry
- As a repair mortar in old structures
- Pointing between old masonry [brick or stone] joints
- Fill into annular spaces in masonry structures / load bearing masonry elements
- Repair mortar for damaged cornices, structural elements, decorative elements in heritage structures
- Waterproofing plaster in heritage structures
- Any structure where a OPC / Cement Free mortar is required

Areas of Application

Specification Keywords	OPC Free, Lime Based, Polymer Modified, non-sag, easy applicability, water retention, water resistant
Delivered As	Off white powder
Storage Instructions	Store in a cool and dry area away from sunlight, in original packaging
Shelf Life	12 Months
Post Use	Empty packaging completely. Dispose as per local regulations.
Packing Size	30 kg

Assess Build Chem Private Limited



Hazards and Safety



Technical Data

Sp. Gravity	1.7 ± 0.05
Min. Use Temperature	20°C
Pot Life	25 to 30 Minutes
Setting Time	4 to 8 hours depending on ambient temperatures
Compressive Strength	~ 5 N/mm ² in 28 Days
Flexural Strength	~ 0.5 N/mm ² in 28 Days
Mixing Ratio	25 to 27% Water by weight of Powder depending on consistency requirements.
Consumption	1.6-1.7 kg Mortar / liter Volume.

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 damp, not saturated prior to application of **SS – HistoRep CFW**. Remove any and all dust in the cracks / substrates using an air blower or a stiff brush.

Weigh out the water and **SS – HistoRep CFW**. Add the powder to the measured water and not vice-versa as it helps in dispersion of the polymers. Mix Mechanically for 2 to 3 minutes to get a smooth mixture. Water if needed can be added to get the correct consistency. It can also be used with wet spray equipment with suitable nozzles.

Apply to the intended substrate, using a suitable trowel / sprayer in 1 to 2 coats as required, with 3 to 5 hours between coats. After the mortar has dried, smoothen the surface using sandpaper or a stiff sponge. The material will normally cure, however the mortar can be misted with water to prevent rapid drying out of the mortar Cure like polymer modified mortars.

Mix and use complete bags for best results.

Safety and Precautions

- Mix only small quantities that can be used within 30 minutes.
- Water should not be added to hardened mortar.
- Higher temperatures accelerate the hardening and lower temperature delays it.
- The mortar 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.