



CONDURA PLASTER MIX

Admixture for crushed sand or M-sand based cement plaster and mortar

Primary applications

To improve workability and trowelling properties of crushed sand or M-sand/cement plaster and mortar mixes during application. to increase quality of masonry and plastering with excellent workability, less rebound, good adhesion and eliminate cracks.

Features & Benefits

Improved moisture retention and bond strength: Slows down drying out of plaster which remains workable longer. Ensures better bond to all surfaces, including ceiling.

Makes crack free plaster : Eliminates drying shrinkage cracks and increases frost resistance in cold climates.

High workability : Even with harsh crushed sands, makes creamy easy-to-apply plaster.

Cost saving : Increase yield of the same quantity of sand/ cement. Extra coverage normally exceeds material costs.

Better & safer masonry : Mortar fills joints easily and efficiently and ensures stronger construction.

Improved appearance : Mortar cuts cleanly from faces of brick, block or stone work.

Increased productivity : Speeds up work by easy application of mortar.

Rebound : Minimizes the rebound loss.

Description

Condura Plaster Mix is supplied as a pale yellow liquid which mixes readily with water in any proportions. It is based on selected formulated active ingredients which is internationally recognized and it is free from calcium chloride and similar salts.

Technical support

Condura offers technical support service to specifiers, end users and contractors, also on-site technical assistance in all locations

Technical Properties

Appearance : Pale yellow liquid

Compatibility : Compatible with all type of cements.

Setting time : There is no significant effect on the setting of sand/ cement plasters and mortars.

Plasticising action : Condura Plaster Mix entrains a uniform, controlled amount of microscopic air bubbles which increase cohesion and provide lubrication to the sane particles in the mix, thereby imparting improved workability to the plaster. The air bubbles hold the cement/water matrix at the contact surfaces which results in improved bond strengths.

Frost resistance : Where this is a consideration, that air entrainment appreciably increases the frost resistance of the fully cured plaster

and also improves that of fresh mortar, as established by international practice.

Yield Improvement : The important action of Condura Plaster Mix causes the cement particles to disperse evenly throughout the mix, which combined with its air entrainment property, expands the volume of the mortar. Increase in yield for the same quantities of sand and cement is typically between 8% and 18%, depending upon the coarseness or fineness of the sand used.

Typical mixes of 1:3 and 1:4 Cement : M-Sand or Crushed sand, the cost of Condura Plaster Mix will normally be recovered and, in a net cost saving will be obtained, as a result of the increased yield.

Application Instructions

Mixing

Condura Plaster Mix should be mixed with gauging water and not advised to mix directly in to the dry mix plaster or mortar.

Dosage recommendations

1. 200ml of Condura Plaster Mix per bag (50kg) of cement Soft fine crushed sand or coarse will require least and harsh sands most. Site trials will best determine the practical rate of addition in each case and are recommended.
2. Condura Plaster Mix admix to be stirred thoroughly before use. Measure the total required quantity of Condura Plaster Admixture and stir into the first bucket of the gauging water.
3. After dry mixing the sand/cement in the normal way, add the Condura Plaster Mix admixture / water mixture and start wet mixing.
4. Continue adding plain water and mixing the mortar until the required workability is obtained.
5. Use the Condura Plaster Mix Admixture / water mixture to make the mortar in the usual way and keep adding and mixing until the required workability is obtained.

Note: Do not add Condura Plaster Mix admixture directly to dry crushed sand/cement plaster or mortar.

Lime Mixes :

Where a small quantity of hydrated lime is usually added to a crushed sand / cement mix to fattiness and plasticity, the lime may normally be omitted and Condura Plaster Mix used to replace it with economic benefits.

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Curing

Plaster or mortar contains Condura Plaster Mix admixture should be properly cured in accordance with accepted practice and protected against sun and drying winds.

Overdosing

Overdosing of Condura Plaster Mix admixture will result in increased workability and air entrainment.

Cleaning

Spillages of Condura Plaster Mix admixture should be removed with water.

Limitations

Excess dosage of Condura Plaster Mix Admixture, will result in reduction of the final strength of the mortar.

An overdose of double the recommended measure of Duraplast P will result in increased the retardation of the initial set of the concrete. The ultimate strength of the concrete will not be affected and could be increased if advantage is taken of the increased workability by reducing water.

Packaging

Condura Plaster Mix Admixture is supplied in 200ml, 1, 5, 20 and 200 Liters containers.

Shelf life

Condura Plaster Mix admixture has a shelf life of 12 months under normal ambient temperatures. It should be protected from the temperatures above 45°C and stored in shade.

Health and safety instructions

Condura Plaster Mix admixture is mildly alkaline. Avoid contact with the skin. Accidental splashes to eyes must be washed immediately with plenty of water and medical treatment sought.

Fire

Condura Plaster Mix admixture is non inflammable.



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