



Concrete Works
Construction Chemicals
Private Limited



An ISO 9001 - 2015 Certified

CWC® MORTARPLASTER - RD









New generation Polymer Technology for Plastering Mortar

Description

MORTARPLASTER - RD is a specially designed SuperPlasticizer to achieve a significantly enhanced slump flow retention without additional retardation for mortar.

CHARACTERISTICS / ADVANTAGES

MORTARPLASTER - RD produces a more uniformly cohesive high quality free flowing Mortar / concrete
MORTARPLASTER - RD will result in the following advantages of Mortar/ concrete:

-  Improved dispersion properties
-  **Dual shrinkage compensated** - Volume stable in wet and hardened state reducing cracking tendency
-  **No metallic iron** content to cause staining
-  Develops high strength at early age without use of chlorides
-  High ultimate strength ensures the durability of the hardened mortar
-  Keeps workability for extended time with Constant Slump flow
-  Slump flow retention without additional retardation
-  Improved rheology

Standard Compliance

MORTARPLASTER - RD conforms to IS 9103, ASTM C494 & IS 2645

Technical Properties

Form	: Dark Brown Liquid
Specific Gravity	: 1.15 ± 0.02
Air entrainment	: ≤ 1.5 % over control mix.
pH	: ≥ 6
Chloride Content	: Nil, as per BS - 5075 (Part-I)

* The uniformity parameters like specific gravity, pH, chloride content etc. will vary for specific customer requirements and mix design. Please refer our MTC issued for specific product configuration for measuring our product parameters that will be constantly and consistently administered.

APPLICATION INSTRUCTIONS

DISPENSING

MORTARPLASTER – RD should be added to the mixing water only. Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum 3 minutes at each speed)

Dosage: Optimum dosage can only be established after trials, considering the rheological characteristics and the required mechanical performances. Rate of addition is generally in the range of 0.5-1.5% by wt of cementitious material(250 to 750ml per bag of cement).

For maximum dispersion throughout the mix.

** Higher dosage can be used if agreed & allowed by clients/consultants

LIMITATIONS

Excessive water addition or overdosing may cause bleeding or segregation. If frozen and / or if precipitation has occurred, **MORTARPLASTER – RD** may be used after thawing slowly at room temperature and after intensive mixing.



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Compatibility

MORTARPLASTER – RD is suitable for use with all types of Portland cements, SRC cements and cement replacement materials such as PFA, GGBFS and micro silica.

The use of a combination of admixtures in the same mix and or cement replacements may alter the setting time. Trials should always be conducted to determine such setting times

TYPICAL PERFORMANCE EXAMPLES

Many variables in concreting materials and conditions can affect the selection and use of an admixture. Trials should be made using relevant materials and conditions in order to determine the optimum mix design and admixture dosage to meet specific requirements. Typical performance examples from evaluation studies of MORTARPLASTER - RD are included on this data sheet. The values quoted are representative of results obtained and are provided as illustrations of performance in different situations. Because of the variability of concreting materials, the results should only be taken as typical of the performance to be expected. Results quoted in individual examples should not be taken as necessarily directly comparable with other examples given here or results obtained elsewhere for MORTARPLASTER - RD or other products. Unless otherwise specified, all testing was carried out to the relevant parts of applicable British Standards.

Estimating

Packaging

 20kg, 250 Kgs Barrel & bulk in 10 KL tanker

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Freezing point: Approximately -2°C.



Safety

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.cwcchemicals.com

Additional information

The CWC range of associated products include high strength cementitious, epoxy grout, polyester resin-based mortar, Resin anchoring systems. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products

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