

PRODUCT DESCRIPTION

RMW™ is a naphthalene sulphonate based set retarder high range water reducing / superplasticizer admixture that improves final strengths and prevents consistency loss of concrete by giving Rheoplastic property.

PRODUCT FEATURES

- Decreases the amount of water at least 12% by weight compared to concrete without admixture.
- Enables lower water/cement ratio or high workability in the same water/cement ratio and easy pump ability compared to concrete without admixture.
- Minimizes the negative effects of temperature on concrete workability.
- Enables the concrete to keep its Rheoplastic property for a long time.
- Increases final strengths compared to concrete without admixture.
- Improves formwork and surface finishes compared to concrete without admixture.
- Improves concrete's other mechanical properties like impermeability, durability, contraction, and creeping.
- Enables setting with lesser vibration even in densely reinforced concrete structures.

HOW TO USE

DOSAGE

RMW™ is suggested to be used as 1.0-2.0 kg for 100 kg binder (cement- micro silica-fly ash). The dosage to be used must be determined beforehand by laboratory experiments according to concrete class and properties.

MIXING

Binder (cement-micro silica-fly ash) and aggregate must be mixed until a homogenous mixture is obtained. After adding 50%-70% of the water to be added to the mixture, RMW™ must be added to the mixture along with the remaining water. RMW™ must be mixed for 60 sec. or for the duration determined in laboratory experiments in the mixture for a homogenous diffusion.

APPLICATION

- In the production of pump able and non-pump able ready mix concrete
- In the production of wet shotcrete.
- When the transportation of concrete takes more than 1 hour.
- In the pouring of concrete where the concrete is pumped to a distance of more than 200 meters or to high places.
- In critical pourings where hydration temperature control is desired (like mass concrete pouring)
- In the production of Rheoplastic concrete that can easily set to densely reinforced concrete elements.
- In the pouring of concrete in high temperature and low humid environments.

STORAGE

RMW™ Must be stored in original packing, in +5



Set Retarding Mid-Range Water Reducing Admixture - RMW™

°C environment. If the material freezes because of storing in undesirable environments, it must be thawed by keeping it in room temperature without direct heating, and mixed by mechanical methods until it becomes homogenous. Pressured air must not be used when mixing.

SHELF LIFE

12 months after the production date under appropriate storing conditions. Opened packages can be used throughout the shelf life if the package cover is well closed.

PACKAGING

30 kg can
250 kg drum
1200 kg tank Bulk.

SAFETY

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.