

ULTRAFLOW

TECHNOLOGIES



CONCRETE ADMIXTURES AND FIBER

ULTRAFLOW-4280

High Range Water Reducer
Polycarboxylate Technology

DESCRIPTION

ULTRAFLOW-4280 is a to use, high range water reducer which utilizes polycarboxylate polymer technology specifically design to provide maximum water reduction, fluidity and high strength in application prestressed and precast concrete. ULTRAFLOW-4280 provides high performance using low dosages, producing an ample range of mixes, from conventional concrete to Self Consolidated Concrete (SCC).

ULTRAFLOW-4280 is design to impart extreme workability without segregation in th concrete. ULTRAFLOW-4280 does not contains any intentionally added chlorides that may promote corrosion in the reinforcing steel.

USES

- ULTRAFLOW-3230 is used in precast and prestressed concrete
- ULTRAFLOW-3230 is used in the production of mixes for Self Consolidating Concrete
- ULTR AFLOW-3230 is used for high performance concrete.
- ULTRAFLOW-3230 produces concrete with very low water/cement ratio
- ULTRAFLOW-3230 produces concrete with very high slump or fluid
- ULTRAFLOW-3230 is used in concrete with very high early strength

ADVANTAGES

- Meets the requirements of specification ASTM C 494 Types A & F, ASTM C1017 Type I, and AASHTO M 194
- Water reduction of up to 40%
- High workability with low water content
- Improves the hydration of the cement
- Low dosage.
- Accelerates stripping time
- Allows fast use of pavements where repairs have been made using ULTRAFLOW-4280

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WARRANTY: The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability, nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

APPLICATION

FOR HIGH PERFORMANCE CONCRETE: [ULTRAFLOW-4280](#) is dosed at the rate of 2 to 6 fluid ounces per 100 lbs. of cement (200ml to 391ml per 100kg of cement). If a concrete accelerator is used with the [ULTRAFLOW-4280](#), add the accelerator after [ULTRAFLOW-4280](#) has been dosed. .

FOR SELF CONSOLIDATING CONCRETE: the [ULTRAFLOW-4280](#) dosage rate will vary depending on the self consolidating plastic properties required and the materials to be used. The typical dosage of [ULTRAFLOW-4280](#) is at the rate of 6 to 10 fluid ounces per 100lbs of cement (391ml to 652ml per 100kg of cement). For best superplasticizing results, add [ULTRAFLOW 4230](#) directly to the concrete in the concrete mixer after the concrete has been wetted out.

COMPATIBILITY WITH OTHER ADMXTURES

[ULTRAFLOW-4280](#) is highly effective as a single admixture or in combination with other IMI admixtures. Other admixtures should be dosed separately. However, [ULTRAFLOW-4280](#) should not be used in concrete that contains admixtures based on naphthalene such as [MEGAFLOW](#) or based on [MEGAFLOW](#) . [ULTRAFLOW-4280](#) should not be in direct contact with any other admixture before or during the batching process. When an air entrainment admixture or an extended slump admixture like [IMIX RB910](#) or [IMIRB910W](#) is used, they should be dosed at the beginning of the batching sequence and afterward [ULTRAFLOW-4280](#) should be dosed directly to freshly mixed concrete in the concrete mixer at the end of the concrete cycle.

