

Conplast RP264M3

Water Reducing and Retarding admixture

Uses

Conplast RP264M3 creates performance retarding/ water reducing admixture for concrete. it is designed for use in:

- Ready mixed concrete, especially for long distance deliveries.
- Site batched concrete, with extended placing times.
- Concreting in hot weather conditions.
- Preventing cold joints.

Advantages

- Increases Compressive strength due water content reduction, compared with normal concrete without admixture
- Gives controlled retardation of set time
- Improves workability
- Improved ease of placing
- Extends placing time
- Allows concreting in hot weather
- Higher density, hence improved durability

Standards Compliance

Conplast RP264M3 complies with the requirements of ASTM C494, Type D.

Description

Conplast RP264M3 is a liquid .When added to the fresh concrete mix design during mixing, Conplast RP264M3 will break down the agglomerates of cement particles, make the cement dispersed, and release trapped water. This enables the mix water to perform more efficiently.

Conplast RP264M3 delays the initial hydration of the cement resulting in retardation of setting time. Once the concrete has undergone initial set. The hardening process continues normally.

Technical Support

Fosroc provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment.

Properties

Specific Gravity : 1.05 – 1.1 at 25 +/- 2 °C

Density / durability : Increases density of Concrete giving improved durability.

Cohesion : Improved dispersion of cement particles, increases cohesion and reduces the possibility of segregation.

Compatibility : Compatible with other Fosroc Conplast series admixture but it is recommended that all admixture should be added to concrete separately.

Compatible with all types of Portland cement, and with latent hydraulic binders such as PFA and Ground Slag.

Not Compatible with PC admixture.

Application Instructions

Dosage

Normally be added at dosage 0.3 to 2 % to cement / cementitious content, depending on workability and retardation required.

Optimum dosage should be determined by site trials.

Dispensing

Conplast RP264M3 should be added directly to the mixer by means of a recommended dispenser at the same time as the mixing water. The company's technical department should be consulted regarding suitable equipment and its installation.

Overdosing

Above the recommended dosage of Conplast RP264M3 could result in excessive retardation of concrete. Workability will be greatly increased. Early strength may be lower, but the ultimate strength will not be impaired if good curing is maintained.



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Curing

Normal curing methods should be used, such as water spray, wet hessian, or the use of a FOSROC curing membrane, like Concure PI.

Cleaning

Spillage of Conplast RP264M3 can be cleaned with water.

Packaging

Conplast RP264M3 is supplied in 210 L and 1000 L.

Storage

Shelf life is 12 months under normal storage conditions with storage temperature between 25°C - 35°C. Should the material become frozen, it must be completely thawed and thoroughly mixed before used.

Precautions

Health and Safety

Conplast RP264M3 is irritant. Any splashes to the eyes should be washed immediately with water and medical advice should be sought. Safety Data Sheet is provided separately.

Fire

Conplast RP264M3 is non-flammable.

Spillages

Can be removed with water, then wipe with rag.

Additional information

Technical data and guidance can be provided on other wide range of admixtures and Concreting aids including Accelerators, Super Plasticisers, Air entraining Agents, waterproofing/watertight, Mould release agents, etc.

Contact FOSROC Representative for TDS needed.

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