StenMix® RETARD 2

1. Product Profile

StenMix® RETARD 2 is a ready to use modified polysaccharide based retarding admixture for Portland cement concrete.

StenMix® RETARD 2 conforms to standards TS EN 934-2 C8 (Set Retarding Admixture) and ASTM C 494 Type A,B,D.

StenMix® RETARD 2 is available in 240 kg drums and 1,150 kg IBC tanks.

2. Uses

StenMix® RETARD 2 is used in structural concrete and mass concrete applications where extended and controlled setting times required in fresh concrete.

StenMix® RETARD 2 is used as a set retarder for pouring large volumes of concrete, transferring concrete to long distances or placing concrete during hot weather. It allows concrete to be worked for an extended period and helps avoiding cold joints. StenMix® RETARD 2 improves ultimate strength of the concrete.

StenMix® RETARD 2 does not contain chlorides or any other ingredients which may cause corrosion of reinforcements. Therefore, it is suitable to use for all kinds of concrete structures and reinforced concrete pouring.

3. Application

StenMix® RETARD 2 is used by mixing it to the mortar water. The recommended dosage is 0.2% to 2.0% based on weight of cement. StenMix® RETARD 2 's effect is dependent on dosage, type of cement and ambient temperature. Therefore, exact dosage should be determined by trial mixes on site while keeping in view factors like temperature, water to cement ratio and amount of cement that affect setting time.

4. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. Emptied packages must be handled in compliance with relevant regulations and laws.

High Performance Retarding Concrete Admixture

Highlights

- Modified polysaccharide based retarding admixture
- Decreases the risk of cold joints
- Enables to pour high quality concrete at high ambient temperatures
- Allows to transfer fresh concrete to longer distances
- Does not contain chlorides or any other ingredients to cause corrosion
- Increase the ultimate strength of concrete

5. Storage

The material must be kept in dry indoor storage away from direct sunlight. Recommended storage temperature is 5 – 35°C. Stored in these conditions, the shelf life of unopened containers are 12 months. Low temperatures may lead to crystallization of the product. Do not allow to freeze, defrosted products cannot be used.

6. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by Stenkim® and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All Stenkim® products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by Stenkim®.

Stenkim® reserves the right to update all information contained in this document without notice.

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7. Technical Data

Properties	Results
Appearance – Color	Light color liquid
Chemical structure	Modified polysaccharide solution
Density	1.09 kg/l ± 0.02 kg/l
pH	2.5 ± 0.5
Solid Content	22.80 ± 0.9 %
Chloride content	≤0.1%
Alkaline content	≤0.1%

Stenkim® reserves the right to make changes in the values in this table at any time.

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