



ROKSO RETARDO

PRODUCT CODE : 104

DESCRIPTION

ROKSO RETARDON is a dark brown liquid based on selected lignosulphonates. When added to concrete mixes the admixture is adsorbed onto the cement particles. It then acts as a dispersing agent which breaks down agglomerates of cement particles and enables the water in the mix to perform more efficiently. ROKSO RETARDON delays the initial hydration of the cement which results in retardation of the setting time. However, once the concrete has undergone initial set, the hardening process continues normally.

USES

The unique dual function of ROKSO RETARDON improves both mixing water efficiency and delays initial set of concrete mixes. This improvement can be utilized to provide increased density and workability without increase in cement, whilst retardation of setting times enables avoidance of 'cold joints' where delays in transporting and placing concrete occur. Towers, chimneys, high buildings, slip form structures, tunnel/ shaft lining, offshore construction and in-situ piles.

ADVANTAGES

- Easy pumping - improves workability, cohesion and extends setting time, Provides protection against delays and stoppages.
- In-situ Piling - Avoidance of 'cold joints', helps easy casing removal.
- Ready mixed concrete - Increased workability and extended setting times minimizes risks associated with long distance deliveries in hot weather.
- Slip forming - Facilitates keeping a workable concrete 'face' under difficult conditions.
- Larger pours - Possible with extended placing and compaction times and avoidance of 'cold joint'.
- Increased ultimate strength: - Higher strengths without increase in cement content or reduction in workability.
- Cement savings - Can be obtained by maintaining original strength and workability
- Improved cohesion - Reduces bleeding and segregation where poor sand grading are unavoidable.

STANDARDS COMPLIANCE

ROKSO RETARDON conforms to IS: 9103-1999 as a retarding admixture. Also complies with ASTM C494 Type D.

PROPERTIES

- **Chloride content:** Nil as per IS: 456
- **Specific gravity:** 1.16 - 1.23 at 25°C
- **Compatibility:** Compatible with all types of Portland cements. ROKSO RETARDON is generally compatible with other XL RHEOPLAST
- admixtures, which should be added to the mix separately and site trials should generally be carried out.
- **Cohesion / segregation:** Improved dispersion of cement particles increases cohesion properties and reduces the probability of segregation and sand runs.
- **Permeability:** Improved workability facilitates placing and compaction. Reduced water cement ratio increases density and makes the concrete more waterproof.

APPLICATION INSTRUCTIONS

- **DOSAGE:**
- ROKSO RETARDON will normally be added at a rate between 0.1 and 0.5 kg per 50 kg cement depending on the slump and retardation required. Site trials should be carried out to determine optimum dosage.

DISPENSING:

The correct quantity of ROKSO RETARDON should be measured by means of an accurate and recommended dispenser. The measured quantity of the admixture should be added directly to the mixer along with mixing water. Under no circumstances should ROKSO RETARDON be added to the dry mix. If mixing water is added in more than one stage, add ROKSO RETARDON in the last stage.

CURING:

Efficient concrete curing is essential and is best achieved by use of ROKSO CUREON spray applied curing compound. If traditional methods such as water spray or wet hessian are used, they must be carried out thoroughly.

OVERDOSING:

An overdose of double the recommended measure of ROKSO RETARDON will result in increased retardation but the ultimate strength of the concrete will not be reduced and could be increased if advantage is taken of the increased workability

PACKAGING:

ROKSO RETARDON is supplied in 250kg Barrels OR Bulk tanker.

STORAGE:

Minimum shelf life of 6 months provided the temperature has not exceeded 5°C to 50°C. If this range is exceeded in any respect, advice should be sought from the supplier.

SAFETY:

ROKSO RETARDON is non-toxic, non inflammable; any splashes should be washed well with water

Technical Support

An experience advisory team is available to give technical services on request.

Manufactured in INDIA by

ROKSO INDIA PRIVATE LIMITED

AN ISO 9001 : 2015 CERTIFIED COMPANY

ADMN.OFFICE : 605,SAI JANAK CLASSIC,ABOVE MURLIDHAR SWEETS, NEAR FLYOVER BRIDGE, DEVIDAS LANE, BORIVALI (W) MUMBAI-92
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS

E-MAIL : info@roksoindia.com / WEB SITE : www.roksoindia.com

The data & guidelines provided hereabove is based on compiled information which we believe reliable. Users are requested to test all the applications independently before commercial use. This data & informations are non binding & we donot assure any liability for failure of any guidelines or performance of the product as correct identification of the problem, quality of the other materials & on-site workmanship are factors beyond our control.