



# PLASTICON R 400

## PRODUCT CODE : 119

### A High Range, Low Dosage, Super Plasticising Admixture

#### Description

A liquid admixture based on modified Naphthalene Sulphonates

#### APPLICATION

- To produce self-compacting flowing concrete.
- To produce high early strength concrete.
- To produce concrete of high workability.

#### ADVANTAGES

**ROKSO PLASTICON R400** with its powerful plasticising property dramatically increases workability. A concrete with a slump of 50 to 100 mm. can be turned into self-compacting, flowing concrete that requires little or no vibration by the simple addition of **ROKSO PLASTICON R400**. High range admixture: Can be used as a conventional plasticiser though being a super plasticiser. Economical in use - a dosage of 0.6%-1.0% by weight of cement can be sufficient to produce flowing concrete, or to enable a reduction of free water in the region of 10 to 20% to be effected whilst maintaining workability. When used to increase workability, it extends the period that concrete can be successfully placed and compacted which is of particular benefit in hot climatic conditions. Surface finish is improved and sand runs and blemishes reduced. **ROKSO PLASTICON R400** enables production of economical, dense and more Impermeable concrete.

#### Action

**ROKSO PLASTICON R400** dramatically increases the workability of concrete mixes by its powerful deflocculating and dispersing effect on the cement particles. This increase in workability can be utilized to produce high workability concrete. or to enable significant reductions in the free water content.

#### Specification type

Complies with: ASTM-C494, Types A, B & D; BS EN 480; IS: 9103-1999.

#### Properties

Colour: Dark Brown/Black liquid.

Specific Gravity: 1.18 to 1.25

Air Entrainment: 1-2% (Dependent on grading of Sand and water content.)

Freezing Point: 5°C (Can be reconstituted if stirred after thawing.)

#### Method of use

**ROKSO PLASTICON R400** should be added to the mix along with water. Never add **ROKSO PLASTICON R400** to the dry cement. No extension to mixing time is necessary. Alternatively when using **ROKSO PLASTICON R400** to produce flowing concrete at site using ready mix trucks, it can be added to the concrete via the hopper attached rear of the truck few minutes before placing. Ensure at least 3 minutes mixing before use, at a minimum drum revolution of 10 rpm to produce a fully homogeneous mix.

#### Dosage:

Field trials should be conducted to determine the optimum addition rate of **ROKSO PLASTICON R400**.

### Effects of over-dosage

A severe over dosage of **ROKSO PLASTICON R400** will result in the following:

1. Retardation of initial set.
2. Slight increase in air entrainment.
3. Increase in workability.

Provided concrete is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than for normal concrete.

### Technical Support

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

### Shelf life

12 months if stored in manufacturers sealed drums in cool and dry shade.

### Packing

**ROKSO PLASTICON R400** Supplied in 250 Kg drums. Bulk tanker loads.

### Safety

**ROKSO PLASTICON R400** is non-toxic. Any splashes on the skin should be washed immediately with water. Splashes on the eyes should be washed immediately with water and medical advice should be sought.

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](mailto:info@roksoindia.com) / WEB SITE : [www.roksoindia.com](http://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.