



ROKSO FASTCRETE

PRODUCT CODE : 151

A HIGH RANGE SUPER PLASTICISING ADMIXTURE FOR PRECAST CONCRETE

SPECIFICATION TYPE

Complying at: **A.S.T.M. C494: 1977 Types A,C& E, CRD- C-87 -79:**
5075: Part 1. Institute of Bautechnik: Type BV., BIS: 9103-1979

DESCRIPTION

ROKSO FASTCRETE is a high range super plasticiser based on high molecular polymers.

PRIMARY USES

- To producer self-compacting flowing concrete.
- To produce high early strength concrete
- To produce homogenous mixes for manufacture of all types of PRECAST CONCRETE PRODUCTS.

ACTION

ROKSO FASTCRETE dramatically increases the workability of concrete mixes by its powerful deflocculating and dispersing effect on the cement particles. This increase in workability can be utilised to produce high workability concrete or to enable significant reductions in the free water content for design of High strength concretes.

BENEFITS

- Its powerful plasticising properties 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 FASTCRETE**.
- High range admixture which can be used as a conventional plasticiser through to a super plasticiser.
- High strength mixes can be produced at normal workabilities and cement contents due to substantial reduction in free water content.
- Concrete can be placed and compacted quicker and more easily when **ROKSO FASTCRETE** is incorporated in increase workability.
- Surface finish is improved and sand runs and blemishes reduced.
- Enables production of economical, dense and more impermeable concrete.

METHOD OF USE

ROKSO FASTCRETE should be added to the mix during the cycle at the same time as the water or the aggregates. Never add **ROKSO FASTCRETE** to the dry cement. No extension to mixing time is necessary. Alternatively when using **ROKSO FASTCRETE** to produce flowing concrete at site using ready mix trucks, it can be added to the concrete via the hopper at the rear of the truck a few minutes before use, at a minimum of 10 r.p.m. to produce a fully homogeneous mix.

DOSAGE

Field trails should be conducted a determine the optimum addition rates of ROKSO PROSPEED S. As a guide to these trials, the following figures are recommended as a starting point:

Water Reduced Concrete % Water Reduction	Dosage (cc per 100 kgs cement)
10 to 15	300
15 to 20	620
20 to 30	900
30 to 35	1200

HIGH STRENGTH, HIGH WORKABILITY CONCRETE

Concrete mixes can be produced with a reduction in water in the region of 10 to 15% with an increase in workability of between 10 to 15% with addition rate of **ROKSO FASTCRETE** between 620 and 750 CC per 100 kgs. Cement.

EFFECTS OF OVER-DOSAGE

A severe over-dosage of **ROKSO FASTCRETE** will make the concrete free flowing and may result in bleeding. The strengths obtained however will be in excess of the designed strengths.

PROPERTIES

Colour	Clean liquid
Specific Gravity	1.2± 0.02 at 20°C
Air entrainment	NIL
Chloride Content	NIL
Nitrate Content	NIL
Freezing Point	Can withstand any number of freezing and thawing cycles.

HEALTH AND SAFETY

ROKSO FASTCRETE is not a health hazard, or fire risk, Spillage should be washed immediately to avoid possibilities of slipping.

PACKING

Available in User friendly packs of 50 Kgs and 230 Kgs.

SHELF LIFE

At least 12 months if stored in manufacturer's sealed drums.

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
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