



PLASTICON 757

PRODUCT CODE : 111

A HIGH RANGE, LOW DOSAGE, SUPER PLASTICISING ADMIXTURE

SPECIFICATION TYPE

COMPLYING TO : A.S.T.M.C494: 1977 TYPE A, B&D, CRD- C-87-79 : 5075 : PART

❖ **Institute of Bautechnic : Type BV. BIS :9103-1979**

DESCRIPTION

ROKSO PLASTICON 757 a liquid admixture based upon high molecular weight polymers.

PRIMARY USE

ROKSO PLASTICON 757 is highly recommended

- ❖ to produce self – compacting flowing concrete.
- ❖ to produce high early strength concrete.
- ❖ to produce concrete of high workability.

ACTION

ROKSO PLASTICON 757 dramatically increases the workability of concrete mixes by its powerful defloculating & dispersing effect on the cement particles. This increase in workability can be utilized to produce high workability concrete or to enable significant reduction in the free water content.

ADVANTAGES

- ❖ Its powerful plasticizing properties dramatically increases workability of concrete with a slump of 50 to 100mm. can be turned into self-compacting, flowing concrete that requires little or no vibration, by the simple addition of **ROKSO PLASTICON 757**.
- ❖ High range admixture which can be used as a conventional plasticizer through to a super plasticizer
- ❖ Economical in use a dosage of 0.6% by weight of cement can be sufficient to produce flowing concrete, or to enable a reduction of free water in the region of 15 to 20 % to be effected whilst maintaining workability.
- ❖ When used to increase workability, it extends the period of time that benefits in hot climatic condition.
- ❖ Surface finish is improved and sand runs and blemishes reduced.
- ❖ Enables production of economical, dense and more impermeable concrete.

DIRECTION FOR USE

- ❖ **ROKSO PLASTICON 757** should be added to the mix during the cycle at the same time as the water or the aggregates.
- ❖ Never add **ROKSO PLASTICON 757** to the dry cement.
- ❖ No extension to mixing time is necessary. Alternatively when using **ROKSO PLASTICON 757** 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 few minutes before placing.
- ❖ Ensure at least 3 minutes mixing before use, at a minimum drum revolution of 10 RPM to produce a fully homogenous mix.

DOSAGE

Field trials should be carried out to determine the optimum addition rate of **ROKSO PLASTICON 757**. 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	600
15 TO 20	750
20 TO 30	1000

EFFECTS OF OVER DOSAGE

A severe over dosage of **ROKSO PLASTICON 757** will result in following.

- ❖ Retardation of initial set.
- ❖ Slight increase in air entrainment.
- ❖ Increase in workability, provided concrete is properly cured, the ultimate strength of the concrete will not be adversely effected and will generally be higher than for normal concrete.

PROPERTIES

COLOUR	DARK BROWN/ BLACK LIQUID
SPECIFIC GRAVITY	1.16 +/- 0.02 @ 20°C
ENTRAINMENT	1-2 % DEPEND UPON GRADING OF SAND & WATER CONTENT
AIR ENTRAINMENT	NIL
CHLORIDE CONTENT	NIL
NITRATE CONTENT	NIL
FREEZING POINT	0°C CAN BE RECONSTITUTED, IF STIRRED AFTER THAWING

COMPATIBILITY

ROKSO PLASTICON 757 can be used with all types of PORTLAND CEMENT including sulphate resisting cement. For use with other special cements, consult our ROKSO technical service.

ROKSO PLASTICON 757 should not be pre-mixed with other admixtures. If other admixtures are to be used, they must be dispensed separately.

SAFETY PRECAUTIONS

ROKSO PLASTICON 757 is not a health hazard or a fire risk. Spillage should be washed immediately to avoid possibilities of slipping.

PACKING

ROKSO PLASTICON 757 is available in user-friendly packs of 20, 50, 100 & 210 litres.

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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