



PLASTICON 747

PRODUCT CODE : 109

PLASTICON 747 is a strong slump retaining super Plasticiser based on Naphthalene Sulphonates with selected polymers.

TYPICAL APPLICATION

- ❖ Used wherever optimum workability and desired set retardation and maximum compressive strength are required such as in the areas of congested reinforcement where free flowing self-compacting Concrete is desired.
- ❖ Concreting of Bridge girders, pre-stressed concrete members where high compressive strength coupled with high workability is of paramount importance.
- ❖ To produce high strength, high grade concrete M30 & above by substantial Reduction in water resulting in low permeability and high early strength
- ❖ Hot-weather concreting where set retardation and avoidance of cold joints is essential.
- ❖ Extremely Useful for Concrete to be carried to longer distances, for retention of slump such as in Ready Mined Concrete Plant.
- ❖ Extremely versatile plasticiser, useful in all grades of concrete from M20 to M55.

ADVANTAGES

- ❖ Increases considerably the workability and flow properties, provides retardation, by virtue of which casting and compacting is made easier, particularly in hot weather condition.
- ❖ Reduces the segregation and bleeding.
- ❖ Chloride free.
- ❖ Reduces concrete permeability and improve water tightness.
- ❖ Retains concrete slump a longer duration.

SPECIFICATION TYPE

Complies with ASTM C 494 Type G, BS EN 480 and IS 9103:1999.

PROPERTIES

Colour:	Brown, non-toxic aqueous solution
Sp. Gravity:	1.22 to 1.26
Chloride Ion Content:	Nil
Nitrate Content:	Nil

COMPATIBILITY

PLASTICON 747 can be used with all types of Portland cement including SRC. It should not be premixed with other admixture. Contact ROKSO technical department for any advice.

ACTION

PLASTICON 747 dramatically increases the workability of concrete mixes by its powerful deflocculating & dispersing effect on the cement particles.

METHOD OF USE

PLASTICON 747 should be added to the mix along with water. Never add PLASTICON 747 to the dry cement.

DOSAGE

As with all admixtures, the optimum dosage for a particular application, is best determined by site trials. As a guide line a dosage of 0.4 to 1.2% shall suffice depending on the initial and retention of slump requirement.

EFFECTS OF OVER-DOSAGE

A severe over dosage of PLASTICON 747 will result in the 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 affected and will generally be higher than for normal concrete.

PACKING & SHELF LIFE

PLASTICON 747 is available in 250kg HDPE drums. Bulk supplies are available on request. Shelf life is 12 months if stored in manufacturers sealed drums in cool and dry shade.

FIRE & SAFETY

- ❖ PLASTICON 747 is non flammable.
- ❖ PLASTICON 747 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

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