

DONCRETE-HPC

PC BASED HIGH RANGE WATER REDUCING SUPER PLASTICIZER

Product Details

High Range High PC Based Water reducing Super Plasticizer. IS:9103

ASTM C-494

ADVANTAGES:

- Increase strength, high early and ultimate strength, if water reduction is taken.
- Use in pre-cast concrete work.
- Safe in priestesses concrete.
- Improves cohesion and thus aids pumping of concrete.
- Facilitates rapid placing of concrete and with little or no vibration.
- Makes the concrete denser, hence durability increased.
- Safe with mortar grouts.

PRODUCT:

DONCRETE-HPC is a high range water reducing admixture for M-30 to 80 grade of concrete conforming to BS 5075: Part-3 and ASTM C-494 type F, IS:9103

COMPOSITION: **DONCRETE-HPC** is a non-toxic brown liquid based on organic-polymer.

PURPOSE: To produce high strength concrete and flowing concrete without addition of water. Enables high water reduction up leading to high early and ultimate strengths.

DOSAGE: 0.7 to 1.30 Kg. by weight of cement.

DESCRIPTION: **DONCRETE-HPC** is supplied as brown liquid based on sulphonated naphthalene formaldehyde condensates. The powerful dispersing action of super plasticizers can be used in many ways to obtain dense, high strength durable concrete (M400 & M450).

INCREASED WORKABILITY: **DONCRETE-HPC** when incorporated in concrete mixes increases the workability without addition of water, thus leading to easy placement and finishing without the risk of segregation and bleeding.

TYPICAL PROPERTIES:

Specific gravity	:	1.103+/-0.015 at 27°C
Chloride content	:	Nil.
Air entrainment	:	Less then 1% additional air entrainment.

USES: **DONCRETE-HPC** can be used with all types of Portland cements and is chloride free. It has no significant effect on setting times at normal dosage levels. It can be used in mortar grouting of priestesses wires.

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OVERDOSING: Overdosing up to double the normal dosage levels may lead to retardation of setting times & may tend to segregate and produce ultra fluid concrete.

STORAGE LIFE: Minimum one year if stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

HANDLING PRECAUTION: DONCRETE-HPC is non toxic, however, splashes on the skin should be washed well with water and if contact with eye occurs wash well with water and seek medical advice.

HOW TO SPECIFY: DONCRETE-HPC concrete super plasticizer shall be used accordance with the instructions of Don Building Chemicals India Pvt. Ltd. and dosage as determined at site.

OUR RANGES INCLUDES:

Doncrete Grout-Non-shrink, free flow, cementations grout. Concrete Bond-Epoxy coating, orders, grouts, sealants & self leveling floors

DOn-TOP- Industrial, abrasion & high wear resistant, non-metallic flooring system

DOn-PT- Anti carbonation, protective & decorative exterior coating.

PACK SIZE: 1, 50, 250 Kg. containers.



TECHNICAL COLLABORATION WITH



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