



CLASSIC SUPERFLO SPECIAL

New Generation Super Plasticizer for
High Performance Concrete

PRODUCT:

Classic Superflo Special is a high range water reducing admixture for concrete and grouts conforming to IS 9103-1999-ASTM-C-494 Type A & F.

DESCRIPTION

Classic Superflo Special is supplied as brown liquid based on sulphonated Naphthalene formaldehyde condensates and polymeric materials. The powerful dispersing action of Super plasticizers can be used in many ways to obtain dense, high strength, high performance durable concrete.

The high water reduction make **Classic Superflo Special** ideal for use in precast concrete where high early strength are of paramount importance.

Classic Superflo Special is chloride free.

PURPOSE

To produce high strength concrete and flowing concrete without addition of water. Enables high water reduction leading to high early and ultimate strengths. Ideal in precast concrete works.

ADVANTAGES

- Flowable concrete with the lowest water/cement ratio.
- Eliminates segregation and bleeding.
- Improves concrete surface finish and texture.
- Improves cohesion thus aids pumping of concrete.
- Facilities rapid placing of concrete and with little or no vibration.
- Makes the concrete denser, hence durability increased.
- Excellent Slump retention..
- Early and ultimate compressive strength.

DOSAGE

200 ml-1000 ml / 50 kg cement. However, the optimum dosage should be determined by site trials. Other dosages may be recommended in special cases according to specific mixes.

PACKING

5, 10, 20, 50, 200 Lt. Carboy / drums.

INCREASED WORKABILITY

Classic Superflo Special 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.

INCREASED STRENGTH

Classic Superflo Special can be used to reduce water for a given workability leading to increase in high early and, ultimate strengths. Such high early strengths and early stripping of form work lead to increased productivity on precast concrete and the production of high strength concrete without increasing cement content.

PROPERTIES

Classic Superflo Special 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 prestressed wires.

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.

OVER DOSING

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

TYPICAL PROPERTIES

Physical State : Brown liquid.
Dry Material Content : 41%± 3%
Specific gravity : 1.22±0.015 @ 27°C
Chloride content : Nil as per IS 456 and BS 5075
PH : 7-8
Air entrainment : Less than 1% additional air entrained.

HANDLING PRECAUTION

Classic Superflo Special 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

Classic Superflo Special concrete super plasticizer shall be used in accordance with the instructions of Primadon Construction Products Pvt. Ltd. and dosages as determined at site.



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