

NEROLAC PERMA

HYPER PLAST

High range hyper plasticising superior quality admixture for high quality concrete.

SPECIFICATION

ASTM C 494 : Types A,F & G
IS : 9103-2007

DESCRIPTION

Hyper Plast is based on hyper plasticising sulphonated synthetic polymers. It may be dispensed at dosages varying between 0.5 to 2% by weight of cement depending upon type of concrete required.

PRIMARY USES

- Hyper Plast is recommended in all high grades concrete, which have a cement content of over 400 kgs/ m³.
- Hyper Plast is recommended in hot weather concreting where workability retention over long periods is required.
- Hyper Plast is recommended in marine structures, pile foundations, bridge girders, caissons and such structures where quality of concrete is of prime importance.
- Hyper Plast is also recommended where very high initial and ultimate strengths are expected.

ADVANTAGES



Hyper plasticising action of this product produces free flowing concrete, with most kinds of aggregates and varying fine aggregates.



Hyper Plast maintains the workability over long periods.



Hyper Plast helps in production of high quality concrete, which exhibits superior compressive, tensile and flexural strengths and exhibits excellent resistance to chloride and sulphide attacks on concrete.



Hyper Plast is compatible with all types of cements including pozzolanic and fly ash / slag cements.



Hyper Plast is specially suggested in all high strength concrete and in construction of marine structures, pile foundations and bridge girders.



Hyper Plast enables production of dense impermeable and fair finish concrete.

DIRECTIONS FOR USE

- Hyper Plast should be added to the mix along with water.
- Addition of plasticisers to the dry mix or dry cement should be avoided.
- During long transits of concrete fifty percent of the recommended dosage of Hyper Plast can be added at the batching plant and the remaining fifty percent at site, just before pouring.

PROPERTIES

Colour	: Dark Brown Liquid
Specific Gravity	: 1.2 gm/cc at 25°C
Air entrainment	: 1% maximum dependent on grading of sand and water content
Chlorides	: Nil
Nitrates	: Nil
Sulphates	: 0.5%
Freezing Point	: + 5°C Material can be reconstituted by agitating at 30°C
Usage	: Shake well before use

HEALTH AND SAFETY

Hyper Plast is not a health hazard or fire risk. Spillages should be washed immediately to avoid possibilities of slipping.

PACKING

Hyper Plast is available in 30 kg and 250 kg drum.

SHELF LIFE

Hyper Plast has a shelf life of 24 months if stored in manufacturer's original drums. Hyper Plast should be stored in a place, where temperature does not drop below +5°C. If the product is frozen, thaw at + 30°C and agitate until completely reconstituted. Shake well before use.

DISCLAIMER

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