

NEROLAC PERMA

PLAST PC- 401

High range hyper plasticising superior quality admixture for high quality concrete based on poly carboxylic ether.

SPECIFICATION

ASTM C 494	: Type A, F and G
IS	: 9103-2007
IS	: 2645-2003

DESCRIPTION

Plast PC – 401 is based on poly carboxylic Ether and hyper plasticising sulphonated synthetic polymers. It may be dispensed at dosages varying between 0.5 to 2 percent by weight of cement depending upon type of concrete required.

PRIMARY USES

- Plast PC – 401 is recommended in all high grade concrete, which has a cement content of over 400 kg/m³.
- Plast PC – 401 is recommended in hot weather concreting where workability retention over long periods is required.
- Plast PC – 401 is recommended in marine structures, pile foundations; bridge girders, caissons, high rise structures and such structures where quality of concrete is of prime importance.
- Plast PC – 401 is also recommended where very high initial and ultimate strengths are expected.

ADVANTAGES



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



Plast PC – 401 maintains the workability over long periods.



Plast PC – 401 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.



Plast PC – 401 is compatible with all types of cements including pozzolanic and fly ash / slag cements.



Plast PC – 401 is specially suggested in all high strength concrete and in construction of marine structures, pile foundations and bridge girders.



Plast PC 401 enables production of dense impermeable and fair finish concrete.

DIRECTIONS FOR USE

Plast PC – 401 should be added to the mix along with water. Addition of plasticisers to the dry mix or dry cement should be avoided.

DOSAGE

Field trials should be conducted to determine the optimum dosage of Perma Plast PC – 401 for each application. However dosages varying between 0.5 to 2% by weight of cement are recommended.

PROPERTIES

Colour	:	Straw Coloured Liquid
Specific Gravity	:	1.15 gm/cc
Chlorides	:	Nil
Nitrates	:	Nil
Sulphates	:	0.5%
Freezing Points	:	+ 5°C Material can be reconstituted by agitating at 30°C

COMPOSITION

Plast PC – 401 is based on hyper plasticising poly carboxylic ether polymers.

PACKING

Plast PC – 401 is available in 25 kg, 100 kg and 200 kg drum.

SHELF LIFE

Plast PC -401 has a shelf life of 24 months if stored in manufacturers original drums. Plast PC – 401 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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