

NEROLAC PERMA

PLAST PC-302

High range hyper plasticising admixture
based on polycarboxylic ether.

SPECIFICATION

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

DESCRIPTION

Plast PC – 302 is based on Polycarboxylic ether and synthetic polymers. It may be dispersed at dosages varying between to 0.6 to 2% by weight of cement depending upon type of concrete required.

PRIMARY USES

- Plast PC – 302 is recommended in all high grade concrete, which has a cement content of over 375 kg/m³.
- Plast PC – 302 is recommended in hot weather concreting where workability retention over long periods is required.
- Plast PC – 302 is recommended in marine structures, pile foundations, bridge girders, caissons and such structures where quality of concrete is of prime importance.
- Plast PC – 302 is also recommended, where very high initial and ultimate strengths are expected.
- Plast PC – 302 is also recommended for use with Microsilica.

ADVANTAGES



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



Plast PC – 302 maintains the workability over long periods.



Plast PC – 302 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 – 302 is compatible with all types of cements including puzzalonic, fly ash / slag cements and Microsilica.



Plast PC – 302 is specially suggested in all high strength concrete and in construction of marine structures, pile foundations and bridge girders.



Plast PC – 302 enables production of dense impermeable and fair finish concrete.

DOSAGE

The optimum dosage is best determined by site trials with the concrete. However a dosage range varying between 0.6 to 2% by weight of cement is recommended depending upon type of concrete required.

PROPERTIES

Colour	:	Light Brown Liquid
Specific Gravity	:	1.15 gm/cc at 25°C
Chloride Content	:	Nil
Nitrate Content	:	Nil
Freezing Point	:	+5°C Material be reconstituted by agitating at 30°C

HEALTH AND SAFETY

Plast PC – 302 is not a health hazard or a fire risk. Spillages should be washed immediately to avoid possibilities of slipping.

PACKING

Plast PC – 302 is available in 30 kg , 120 kg and 250 kg drum.

SHELF LIFE

Plast PC -302 has a shelf life of 24 months from the date of manufacture.

DISCLAIMER

KANSAI NEROLAC PAINTS LTD. (KNPL) warrants that all products are free from any defects of manufacturing and comply with the specification given in their respective technical data sheet. No warranty can be given as to the results of use because conditions of use, such as site conditions, surface preparations, workmanship, weather, structural issues and other factors are beyond the control of NEROLAC. Purchaser agrees to seek the advice of qualified professionals to carry out tests and take trials to determine the suitability of products for their intended purpose, prior to full scale usage of **KNPL** products and assumes all risks.

The company does not assume any liability for unsatisfactory results, arising from the use of our products. Purchaser's sole liability is limited to the replacement of the product or refund of the purchase price paid, if any product is proven defective. No other warranties express or implied, shall apply including any warranty of merchantability or fitness for any particular purpose.

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