

NEROLAC PERMA

PLAST PC-100

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

DESCRIPTION

Plast PC-100 is based on hyper plasticising Poly Carboxylic Ethers. It may be dispensed at dosages varying between 0.4 to 3 percent by weight of cement depending upon type of concrete required.

PRIMARY USES

- Plast PC-100 is recommended in all high grade concrete which has a cement content of over 350 kg/m³
- Plast PC-100 is recommended in hot weather concreting where workability retention over long periods are required.
- Plast PC-100 is recommended in pile foundations, bridge girders, caissons high-rise structures and such structures, where quality of concrete is of prime importance.
- Plast PC-100 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.



Plast PC-100 maintains the workability over long periods.



Plast PC-100 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-100 is compatible with all types of cements including puzzolonic and fly ash/ slag cements.



Plast PC-100 is specially suggested in all high strength concrete and in construction of marine structures, pile foundations and bridge girders.



Plast PC-100 enables production of dense impermeable and fair finish concrete.

DIRECTIONS FOR USE

- Plast PC-100 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 Plast PC-100 can be added at the batching plant and the remaining fifty percent at site just before pouring.

DOSAGE

Field trials should be conducted to determine the exact dosage. However a dosage range varying between 200 to 600 gms per 50 kg bag of cement can be recommended.

PROPERTIES

Colour	:	Straw Coloured Liquid
Specific gravity	:	1.05 gm/cc \pm 0.01
PH	:	6.0
Chlorides	:	Nil
Nitrates	:	Nil
Sulphates	:	Nil
Freezing Point	:	+5°C Material can be reconstituted by agitating at 30°C
Usage	:	Shake well before use

COMPOSITION

Plast PC-100 is based on hyper plasticising Poly Carboxylic Ethers.

HEALTH AND SAFETY

Plast PC-100 is not a health hazard or a fire risk. Spillages should be washed immediately to avoid possibilities of slipping.

PACKING

Plast PC-100 is available in 25 kg, 100 kg and 210 kg drum.

SHELF LIFE

Plast PC-100 has a shelf life of 12 months if stored in manufacturer's original drums. Plast PC-100 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

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.

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