



RETARDPLAST

Retarding Water Reducing Admixture and Concrete Plasticiser

DESCRIPTION

“RETARDPLAST” is a powerful set retarder and plasticiser based on carefully selected Hydroxy Carboxylate salt and other high molecular wt. polymers. This has high plasticizing effect and delayed initial set to avoid cold joints in case of long span concreting operation like bridge constructions, mass concretes, piling etc. “RETARDPLAST” conforms to IS 9103 and ASTM C-494.

USES

“RETARDPLAST” can be used as a set retarding aid to avoid cold joint during mass concreting operation like dam construction, long span slab concretes, pilings, ready mixed concretes, prestressed concrete work, diaphragm walls.

ADVANTAGES

The addition of “RETARDPLAST” to the concrete mix the following properties are improved in the fresh concrete as well as in hardened concrete

- * Retention of workability is highly improved in the required workability time span.
- * Avoiding construction joint by means of long but defined retardation capacity.
- * Improving cohesiveness of concrete to enhance the efficiency of a concrete pump.
- * Higher cohesiveness and flexural strength.
- * Lower shrinkage cracks.
- * Lower creep.
- * Provide more durable structures.

PROPERTIES AND TECHNICAL DATA

Form	:	Liquid
Colour	:	Brown
Specific Gravity	:	1.20 ± 0.02
Chloride content	:	Nil
pH Value	:	7 ± 1
Toxicity	:	Non-toxic

COMPATIBILITY

Can be used with all types of Portland cement slag cement, pozzolana cement including sulphate resisting cement.

CONSISTENCY

“RETARDPLAST” is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product.

Cont .. 2..

HANDLING

“RETARDPLAST” is formulated from chemicals which present no fire or health hazards.

SHELF LIFE

If stored in unopened containers at normal ambient temperatures, a shelf life of approximately 12 months could be expected.

METHOD OF USE

“RETARDPLAST” is supplied ready for use. For maximum dispersion throughout the mix, measured quantity of “RETARDPLAST” should be directly added into mixer at the same time as the mixing water. On no account should it be added to the dry cement. To achieve the best results, the mixer alongwith material should be rotated for at least 2-3 minutes.

RATE OF ADDITION

The optimum dosage should be determined by site trials with the particular concrete mix. As a guide the rate of addition is generally in the range of 100 ml to 700 ml per 50 kg of cement depending upon the degree of retardation desired. However, the dosages of “RETARDPLAST” above 700 ml per 50 kg of cement can be used after conducting proper site trials.

PACKING

25, 100 & 200 Litre steel/plastic drum.

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

THE STRUCTURAL WATERPROOFING CO.PVT.LTD.

Regd. Office : 21/1 Dover Road Calcutta- 700 019 **Dial :** 2475-2684/5378/9950, **Fax :** 2475 8240
Calcutta : Plot 38/1, Block-GN, Sector IV & V, Salt Lake City, Calcutta- 700 091
Dial : 2357- 3546/3547 , **Fax:** 2357 3881
Delhi Office : 406, Deepali, 92, Nehru Place, New Delhi - 110 019, **Dial:** 26445680 &
26435432 **Fax:** 26416861
Mumbai Office : 56, Mahavir Centre, Sector -17, Vashi , Navi Mumbai - 400 703,
Dial: 27893601 **Fax:** 27893571 **E-mail:** swcbom@bom5.vsnl.net.in
Chennai Office : 81, 3rd Floor, A, Sulochana Terrace, 1st Main Road, Gandhi Nagar, Adayar,
Chennai-600 020 **Dial.** 24423731 **Fax**,24422476
Bangalore Office : 104, Victoria View, Borewel Road, White Field, Bangalore – 560 066.
Telefax : 080 – 3310112, **Email :** swcbangalore@yahoo.co.in