

BUILDPLAST – R

Retarding concrete admixture.

DESCRIPTION : BUILDPLAST-R is a plasticiser-cum-retarder in dark brown liquid, based on selective polymers.

STANDARDS : Conforms to IS : 9103 and ASTM C 494-81, Type B & D

USES : Highly effective set retarding admixture with plasticising effect. It is used as a water reducer without loss of workability. It is extensively used where high quality concrete is required under difficult conditions, e.g. high temperature/hot weather concrete, pump concrete and slip form concrete. Cold joints are eliminated.

FEATURES

- ❖ Extends placing and compacting time – no cold joints.
- ❖ Reduces exothermic temperature
- ❖ Improves workability, easier/quicker placing and compacting.
- ❖ Reduces shrinkage and creep
- ❖ Compatible with all types of Portland cement
- ❖ Chloride free.
- ❖ Cement saving – strength specifications and workability can be maintained with less cement.

APPLICATION

Rate of addition : This normally varies from 0.1- 0.25% by weight of cement depending upon retardation required. The optimum dosage should be determined by site trials. As a guide 0.150 kg. per 50 kg. cement bag is ideal. The correct quantity must be carefully measured. Excess dosage will retard the concrete for a longer period.

CURING

Normal curing such as water spray, ponding, wet hessian or a curing membrane like **BUILD CURE** should be used. Prevent the retarded concrete from drying out.

TECHNICAL DATA

Specific gravity at 27° C	:	1.15 ± 0.02
Chloride content	:	Nil. To BIS 9503
Air entrainment	:	Less than 2%
Health and safety	:	Non-toxic, non-inflammable and eco-friendly.
Shelf life	:	12 months in unopened containers.
Packing	:	250 kgs. & 25 kgs. drums.
Storage	:	Store in a cool place/under a shade.