

HYDROPLAST 200R

Complete High-Performance Water Reducing and Retarding Super-plasticizer

PRODUCT DESCRIPTION

HYDROPLAST-200R is a high range, water-reducing and retarding “plasticizing” admixture formulated to improve workability, reduce permeability and improve durability.

HYDROPLAST-200R is specifically suitable for HOT weather climates. HYDROPLAST-200R is formulated for effectively reducing the concrete mixing water demand and improving physical and mechanical properties of the resultant concrete. HYDROPLAST-200R is compatible with mineral based admixtures such as Silica Fume.

ADVANTAGES

- Reduced mixing water while maintaining same workability.
- Improved workability & pumping properties.
- Improved cohesion minimizes risks of segregation, bleeding and creep.
- Protection of reinforcement steel against detrimental water-borne ion attack.
- Chloride-free; suitable for pre-stressing.
- Reduces concrete porosity, improves waterproofing and durability.
- Specially formulated for hot weather concreting.
- Increased compressive and flexural strength.

USES

- HYDROPLAST-200R is typically used to produce Ready mix concrete, Precast concrete, mass concrete pours, ready mixed concrete
- Used in concrete where delayed setting and extended workability are desired
- All concrete works where good workability and increased waterproofing properties are required. Such as: swimming pools, sea walls, tunnels, bridges, basement, etc
- HYDROPLAST-200R has been incorporated in concrete used for all types of high rise construction, Purification structures, Pre-stressed beams, Foundation piles, Diaphragm wall, Towers and chimneys, Tunnel linings, Irrigation canals, Airfield runways and roads

STANDARDS

HYDROPLAST-200R is formulated to comply with all the requirements of:

- ASTM C- 494, Type F &G
- EN 943, Part 2, Tables 1 and 2

TECHNICAL PROPERTIES

Appearance:	Dark brown liquid
Specific Gravity:	1.175 ± 0.005 at 20° C
Density:	1.18g/Cm ³ ± 0.01
PH:	7-9
Chloride content:	Nil
Additional air entrainment:	<2%
Water-reduction:	20–35 % of mixing water
Compatibility:	Compatible with all types of Portland cement including Sulfate Resisting Cement (SRC)
Setting Time:	18-22 Hours

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DOSAGE RANGE

Dosage is influenced by cement type, mix design, quality of used materials, ambient temperatures and other specific requirements, so site trials should be carried to determine the optimum dosage.

Dosage: typically 0.75 -1.5% by the weight of total cementitious content. optimum dosage is 1.2%.

PACKAGE

Hydroplast 200R is packed in 20 litres, 25 litres, 210 litres drum & 1000L Tank

DISPENSING

HYDROPLAST-200R should be added with the last third of mixing water or immediately after complete mixing water addition. Do not add directly to the dry mix or cement. For proper administration, an automatic dispenser shall be used.

OVERDOSING

An overdose of HYDROPLAST-200R may result depending on dosage in an increase of workability and extension of setting time. Overdosed concrete must be protected against direct sun light and water evaporation.

HEALTH AND SAFETY

- Wear protective gloves and eye protection during work
- Avoid contact with eyes and skin
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open and flood with warm water and seek medical attention immediately

LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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