



HYDROPLAST 280GR

HIGH RANGE WATER REDUCING AND STRENGTH ENHANCING SUPERPLASTICIZER

CONCRETE ADMIXTURE

PRODUCT DESCRIPTION

Hydroplast 280GR is brownish, ready to use, high range water reducing and slump retaining admixture. It is design to produce high slump concrete with and extended workability. It is chloride free and readily available on demand.

TYPICAL APPLICATION AREA

- High workability for long distance transport
- Low pumping pressure for pumped concrete
- Reduced thermal peaks for casting in hot climate
- Delay in setting time for extended workability
- Reduction in water intake for high ultimate strength

WORKABILITY

Hydroplast 280GR is a high range SNF base water reducing and slump retaining admixture, have an extended workability, no segregation at the right w/c for a given dosage, good pumpability at extended hours.

Workability could be affected by the temperature condition, type of cement and the nature of aggregate. Therefore, it is strongly advised that concrete materials should be carefully selected.

APPLICATION GUIDELINE

Dosage of Hydroplast 280GR is determine in trial batch, to serve as guide, we recommend using 0.8 to 1.2% of the cementitious material, dosage also depend on the design mix requirement. There is no effect on concrete if higher dosage is been used.

COMPATIBILITY

Hydroplast 280GR is compatible with all grade of cement (32.5, 42.5, 52.5) and most air entraining agent.

TECHNICAL PARAMETERS

Density	1.2±0.1g/cm ³
PH	7-9
Chloride content	Nil, EN 934
colour	brown

STORAGE AND HANDLING

Hydroplast 280GR should be stored at room temperature, there is a tendency of freezing at a temperature below 0°C keep away from direct sunlight and protect from extreme temperature. Care should be taken when handling the product to avoid spillage.

Failure to adhere to the recommended storage condition, may lead to accelerated shelf life of the product and packaging. For further information on storage and handling, please consult armorsil technical department.

HEALTH & SAFETY

Hydroplast 280GR is an ecofriendly product, spillage should be flushed with cool water immediately, if swallow consult your doctor immediately.

QUALITY

ARMORSIL Inc is a multinational construction chemical product manufacturer, with present in United States, Canada, Turkey, United Arab Emirate and over 40 countries. All product originating from costarchem are manufactured under a management system to conform to the requirement of the quality, environmental and occupational health and safety standard ISO 9001, ISO 14001, and ISO 45001. All measurement and materials are selected according to ASTM C-494, type A, B, C, D, E, F and G

PACKAGING

Hydroplast 280GR is available in 1000litres, 210litres and 25litres





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