

HYDROPLAST 60

Super-plasticizer for Plaster and Mortar Placement

Product Description:

HYDROPLAST-60 is a high performance, liquid, water-reducing “plasticizer” admixture formulated to improve the plasticity, cohesiveness and durability of mortar and plaster. Once incorporated in the mix, HYDROPLAST-60 has excellent air entrainment properties which controls the amount of microscopic air bubbles and increase the cohesion of mortar and plaster. It is specially researched for the placement of plaster and mortar.

Primary Uses:

HYDROPLAST-60 is typically used to produce:

- Mortar placement
- Plaster Placements.

Advantages:

- Reduced mixing water while maintaining same workability.
- Improves the early strength of block and paving stones.
- Improved physical & mechanical properties.
- Improved surface finish.
- Improved cohesion minimizes risks of segregation, bleeding and creep.

Standards:

HYDROPLAST-60 is formulated to comply with all the requirements of:

- ASTM C- 494, Type A
- EN 943, Part 2, Tables 1 and 2

Technical Properties:

Appearance:	Dark brown liquid
Specific Gravity:	1.175 ± 0.005 at 20° C
Chloride content:	Nil
Additional air-entrainment:	Less than 1%
Water-reduction:	10-20% of mixing water
Setting Times:	No effect at the recommended dose.
Permeability:	Reduces concrete porosity, improves waterproofing and durability.
Compressive strength:	Increased early and ultimate compressive strengths
Cohesion:	Improved cohesion reduces risk of segregation
Compatibility:	Compatible with all types of Portland cement including Sulfate Resisting Cement (SRC)

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 1% to 2% by the weight of total cement content

Dispensing:

HYDROPLAST-60 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-60 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.



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