

HYDROPLAST 60

**SUPER-PLASTICIZER FOR PLASTER
AND MORTAR PLACEMENT**

CONCRETE ADMIXTURE

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 is a ready-to-mix admixture that produces a plasticizing effect by reducing the surface tension of mixing water. It 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.

BENEFITS

- Reduced mixing water while maintaining same workability.
- Less wear of moulds & improve structure.
- Improves the early strength & cycle time of plaster and mortar.
- Improved physical & mechanical properties.
- Applicable for all Portland and Slag Cements.
- Reduces permeability in mortar and increases durability
- Improved cohesion, minimizes risk of segregation, bleeding and creep.

RECOMMENDED USES

HYDROPLAST-60 is typically used to produce:

- Plaster Placement
- Mortar Placement

STANDARD

HYDROPLAST-50 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

Form: Liquid.

Smell: Pungent.

Chloride content: Nil

Additional air-entrainment: Less than 1%

Water-reduction: 10–20 % of mixing water

Setting Time: No effect at the recommended dosages.

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% - 2% by the weight of total cementitious content. In a situation of overdose, this may lead to delay in setting time but ultimately result in higher strength.

APPLICATION MODE

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.

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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.

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

HANDLING AND STORAGE

1. Precautions for safe handling:
Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact.
No special measures necessary provided product is used correctly.
2. Conditions for safe storage, including any incompatibilities.
Further information on storage conditions: Keep only in the original container in a cool, dry, well ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.
3. Dispose of contents/container to hazardous or special waste collection point.

STABILITY AND REACTIVITY

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability: The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions: The product is stable if stored and handled as prescribed/indicated. Conditions to avoid See MSDS section 7 - Handling and storage.

Incompatible materials Substances to avoid:
strong acids, strong bases, strong oxidizing agents, strong reducing agents

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LIMITED WARRANTY

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