



FINEST INNOVATION AND EXPERTISE

FINEXADMIX HP 1050

HIGH EARLY STRENGTH, HIGH RANGE WATER REDUCING/ SUPERPLASTICIZING, ADMIXTURE FOR PRECAST CONCRETE

DESCRIPTION

FinexAdmix HP1050, a polycarboxylic ether-based superplasticizer, is an advance concrete admixture for precast applications, enhancing early strength and water reduction. It ensures improved workability and durability, suitable for rapid production cycles, and supports high-quality precast concrete elements.

FinexAdmix HP 1050 is free of chlorides and meets the requirements of BS EN 934-2, IS 9103 and ASTM C494 type E and F. It is incompatible with Plastobuild ES. (Polynaphthalene based admixtures).

RECOMMENDED TO USE

Versatile in Precast Concrete:

Ideal for various workability, promoting high early and long-term strengths, especially in fluid consistencies.

Adaptable to Diverse Weather Conditions:

Suitable for use in varying climatic conditions, including cold weather.

FEATURES AND BENEFITS

- Enhanced Early Strength: Accelerates early concrete strength development.
- Superior Water Reduction: Significantly reduces water usage in mixes.
- Improved Workability: Eases handling and placement of concrete.
- Increased Durability: Enhances concrete's longevity and resilience.

- Environmental Compatibility: Chloride-free, eco-friendly formulation.
- Optimized Curing Cycles: Reduces time or temperatures needed for curing.
- Eliminates Heat Curing: Reduces energy consumption in the curing process.
- Energy Efficiency: Lowers energy needs for placement, compacting, and curing.
- Increased Productivity: Reduces cycle time, boosting efficiency.
- Improved Surface Appearance: Ensures high-quality finish of concrete.
- Superior Engineering Properties: Offers better compressive and flexural strengths, reduced shrinkage, and low permeability compared to traditional superplasticizers.

PROPERTIES

Supply form	Turbid Liquid
Colour	Slight yellow to slight brown
Specific gravity	1.07 ± 0.02 @ 25 °C
pH value	≥ 6.0 @ 25 °C
Water soluble	≤ 0.10 % (w/w)
Chloride content	

ESTIMATING DATA

Recommended dosage range:
0.5 to 1.4 liters per 100kg of binder

APPLICATION

Preparation: Ready-to-use liquid, added along with the concrete's mixing water.

Optimal Timing: Best effectiveness when introduced to damp concrete after 50-70% of the mixing water is in.

Avoid Adding to Dry Mix: Should not be mixed directly into dry aggregate or cement.

Dispensing Method: Manual or through automatic dispensers.

Essential Mixing: Ensure thorough mixing for at least 60 seconds in forced action mixers after adding FinexAdmix HP1050.

PACKAGING

Available in 205L (219.4 kg) drums and 1000L (1070 kg) IBC's

STORAGE / SHELF LIFE

FinexAdmix HP 1050 has a minimum shelf life of 12 months and must be stored in a place where the temperature is not below +5⁰C. Store under cover, out of direct sunlight and protect from extremes of temperature.

PRECAUTIONS

Please obtain the Material Safety Data Sheet (MSDS) of the product from the Finex head office in order to get health and safety information.

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