B&B Specialities (INDIA) Private Limited.

"The Specialty Chemical Company"

HI-FORZA 5305 (WMI)

(High-range water-reducing admixture)

DESCRIPTION

HI-FORZA 5305 (WMI) is a unique combination of new generation super plasticizer based on polycarboxilic ether polymer with long lateral chain. Electrostatic dispersion mechanism considerably reduces the water demand in flowable concrete. HI-FORZA 5305 (WMI) disperses the cement particles effectively in the concrete mix and hence exposes a larger surface area to the hydration process. This effect is used either to increase the strength or to produce high workability concrete or reduce cement content of concrete or to retard the setting time of concrete. HI-FORZA 5305 (WMI) does not contain added Chlorides and will not promote corrosion in steel.

USES

HI-FORZA 5305 (WMI) is recommended for use in :

- ❖ Concrete requiring high-early compressive strength development.
- ❖ Concrete where high flowability, increased stability and durability are needed.
- ❖ Producing selfconsolidating concrete (SCC) mixtures.
- ❖ Concrete with varying water reduction requirements (5-40%).
- ❖ Applications requiring workability retention.

ADVANTAGES

- ✓ Low viscosity admixture suitable for pumping.
- ✓ Different grades of concrete to greater heights.
- ✓ Suitable for concrete having cement replacements and low water cement ratio.
- ✓ Provides higher strength without increase in cement content or reduction in workability.
- ✓ Ideal for precast concrete production.
- ✓ Reduces shrinkage cracking because of lower water cement ratio. Makes the concrete water impermeable.
- ✓ Increase Durability.
- ✓ Dosage flexibility.

PACKING

HI-FORZA 5305 (WMI) is available in 225 kg HDPE Barrels.

TECHNICAL DATA

Appearance	:	Yellow to Dark Brown
Form	:	Liquid
Odor	:	Odourless to slightly pungent
Specific Gravity	:	1.09 To1.11 @ 20ºC
pH Value	:	Above 6
Chloride Content	:	0.01%

DIRECTIONS

Dosage: HI-FORZA 5305 (WMI) is an easy to dispense liquid admixture. Dosage rates can be adjusted to meet a wide spectrum of concrete performance requirements.

Addition rates for HI-FORZA 5305 (WMI) can vary with the type of application, but will normally range from 0.4 - 2.5% by weight of cementitious materials.

Should conditions require using more than the recommended addition rate, please consult your Hi-Bond representative.

Trial mixes should be run to verify plastic and hardened performance with local materials. Over dosage may cause delay in the setting time.

STORAGE

HI-FORZA 5305 (WMI) should be stored at temperatures above 5°C. If frozen, its properties can be recovered after thawing and agitating thoroughly.

SHEL LIFE

1 year in original, unopened container.

SAFETY

During use, avoid contact with the skin and eyes. Wear protective gloves and eye protection when handling the product. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

This Product is Formulated and Labeled and Commercial use only

For Best Results and Safest Usage, User is Specialty Directed to Consult.

Product Warranty: All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, HIBOND warrants its products to be free of mfg. Defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within HIBOND'S directions and tested in HIBOND'S standards. HIBOND'S facility is limited to replacement of material found to be defective. As HIBOND has no control over the use to which others may put its products. It is recommended that the product be tested to determine if suitable for a specific application and / or our information is valid in particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, applications and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.