



1.01 XPERT PLAST 301

Normal-Setting Admixture for Water Reducing

PRODUCT DESCRIPTION

XPERT Plast 301 is water reducing normal set admixture for concrete based upon purified lignosulfonates. XPERT Plast 301 provides a more plastic concrete, greater impermeability, reduced shrinkage, and higher compressive strengths in your concrete. XPERT Plast 301 is specially formulated to optimize the performance of slip form paving concrete.

BENEFITS

- Superior performance in slip form paving
- Increased workability and easier place ability
- Reduced shrinkage and cracking
- Greater impermeability.
- Increased concrete durability and uniformity.
- Increased strength at all ages.

RECOMMENDATIONS

Since XPERT Plast 301 is calcium chloride free, it is recommended for use in all types of concrete.

DOSAGE

The recommended dosage range for XPERT Plast 301 is 0.4 to 0.8 liters per 100 kg of cementitious materials. It is suggested that trial mixes be conducted to determine the required dosage for optimum performance with your concrete components.

DIRECTIONS FOR USE

XPERT Plast 301 can be dispensed into any of the concrete materials, except cement, but preferably into the water. XPERT Plast 301 is compatible with other admixtures; however,

each admixture should be added to the mix separately.

XPERT Plast 301 should be kept from freezing. If accidentally frozen, its properties can be restored by thawing and thoroughly remixing.

APPLICABLE STANDARDS

XPERT Plast 301 meets or exceeds the requirements of ASTM C 494, Type A.

CHARACTERISTICS

CATEGORY	PARAMETERS
Density	1.140@20°C (+.005 @ 20°C)
Appearance	Dark Brown Liquid
Chlorides	Nil
Air Percentage	Less than 2% but additional air may be entrained at normal dosage
Alkali content	Typically, less than 5.0 g.Na2O Equivalent / Liter of admixture.

PACKAGING & STORAGE

- XPERT Plast 301 is supplied in 55-gallon (210L) drums, 275- gallon (1000L) totes or bulk delivery.
- Shelf life is 12 months in original & sealed packing.
- Storage condition should be free from frost and protect from direct sunlight.
- Keep packing in cool, dry place away from heat, cold and moisture.
- Stir material well before use.

TECHNICAL SERVICE

A trained XPERT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

HEALTH & SAFETY

- Protect hands with rubber gloves and eyes with goggles.
- Accidental splashes to the skin or eyes must be rinsed immediately with clean water.
- Store in well-labeled containers.
- If required, get medical attention.

WARRANTY

This product is warranted to be free of defects in material and workmanship and conform to XPERT Construction Chemicals (“XPERT”) quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond XPERT's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. XPERT shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. XPERT's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.