



ISO 9001:2000
Certified Company

Zahabiya

CONCREMIGHT - ZUBA-16/127

Multipurpose Grouting/ Sealing Agent (ASTM C494 TYPE A)

Zahabiya ConcreMight-ZUBA-16/127, "A TRUST WORTHY FRIEND OF CEMENT" is a low dosage, high strength concentrated latex and co-polymers reinforced **Grouting/ Sealing / Plugging Cement-Concrete admixture**, formulated to solve many construction related problems. Particularly **specified in CIVIL CONSTRUCTION** field, for water retaining/ water logged areas, for the applications maintaining high compressive strength, non-shrink grouting & non-cracking properties of concrete in the extreme climatic conditions. ZUBA-16/127 considerably increases the resistance of cement composition against water/salt penetration and such other harmful chemical substances providing the weather resistance to the composition. **Strongly recommended** for saline, water logged, marine, sea side/coastal areas, waste water ponds, effluent drains and basements, underground water tanks, foundations, guarding the structure from chlorination and carbonation effects.

ADVANTAGES OF ZAHABIYA CONCREMIGHT- ZUBA-16/127 IN CIVIL CONSTRUCTION

Best to be used as grouting material & modifier for cement/concrete to improve many physical properties

- 1 Increases the compressive strength and water impermeability.
- 1 Helps to protect steel reinforcement from corrosion.
- 1 Controls plastic volume change resulting non-shrink concrete.
- 1 Allows high resistance to weathering / mechanical damages.
- 1 Improves the resistance of concrete against freeze/thaw, toxic gases penetration etc.
- 1 Increases the resistance against acids/alkalis, sulphates, ammonia, sugar etc.
- 1 Increases resistance of concrete/plaster against penetration of moisture, chlorides and carbon dioxide attack esp. in marine environment.

COLOUR:

Bluish White thick liquid when supplied.

DENSITY:

1.18 kg/litre on average at 30°C. [ASTM D1475]

SOLIDS:

Averages 62% ± 1 in standard batches. [ASTM D2369]

DRYING:

Air-drying. [ASTM D1640]

SAFETY:

Safe in handling. Non-Flammable, Non-Toxic & Non-Corrosive. A "Human Friendly/ Environmental Acceptable" Product.

DOSAGE:

Dosage depends mainly on the nature of job. Normally 1 to 2 kg of ZUBA-16/127, to 50 kg of fresh OPC and suitable quantity of silica sand is mixed at the time of pouring/ sealing/ grouting for higher compressive strength, better impermeability.

STORAGE/SHELF LIFE:

Shelf life in closed original containers is 15 months from the date of manufacturing. Keep original container airtight after every use.

SPECIALISED USES IN CIVIL CONSTRUCTION JOBS

1. **CEMENT ADMIXTURE (ASTM C494 TYPE A):** This product is especially formulated to be used in Concrete as a grouting/sealing/plugging admixture to remarkably increase its overall waterproofing, strength, resistance and durability. Particularly specified for **Basements, U/G Water reservoirs, Sub-soil and Water logged areas, Waste effluent contact areas, in abnormal climatic zones increasing and maintaining the compressive strength remarkably**. Helps to prevent penetration/permeability of water into concrete so as corrosion of reinforcements could be retarded. For better Concrete/Mortar mix as specific utility concrete bonding grouting/ sealing admixture 1 to 2 kg of this high solids (concentrated) grade of Zahabiya ConcreMight ZUBA-16/127 is added and mixed instantly to the batching water, used with 50 kg OPC and well calculated amount of fine silica sand. **Fast setting of cement** is also achieved (anaerobic curing) by its use even in enclosed areas using higher dosage per OPC predetermined on case-to-case basis after thorough trials.
2. **NON-SHRINK GROUTING & MACHINERY FOUNDATION PREPARATIONS:** Please follow the guidelines as given above in point 1 Adjust the dosage as per requirement.
3. **SEALING/PLUGGING WATER SEEPAGE IN MASONRY/CIVIL CONSTRUCTION:** For low-pressure in/ out ward pressure water seepage, clean and dry the existing surface as best as possible. Apply ZUBA 16/127 all around the damp surface. Apply the slurry/mortar prepared by using 1 part of ZUBA- 16/127 mixed with cement-fine silica sand (2:2) mixture to get high viscosity slurry and apply compactly. Let it be dried for 2-3 hours and repeat the same action. Use hot air blower for quick sealing, if safe and possible. The cement- sand ratio may be adjusted as needed specifically. The surface will be sealed/ plugged from seepage and minor leakage. The process may be repeated for areas that are more critical.

HYDRATION: For all ZUBA-16/127 mixed cement composition, hydration where applicable is to be conducted as under:

- 1 1st (initial hydration) is done after 8 hrs or when the surface is set to touch with plain water.
- 1 2nd hydration with 2 parts ZUBA-16/127 added to 8 parts of water.
- 1 3rd hydration and subsequent hydrations if needed, with 1 part ZUBA-16/127 in 3 parts of water.

USE ONLY POTABLE WATER FOR MIXING AND HYDRATION WHERE APPLICABLE

IMPORTANT NOTICE:

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.

Zahabiya Chemical Industries, Plot 14, Sector B-VIII, P.O. Box 18685, K.E.P.Z., Landhi, Karachi-75150.
Ph:+92-21-5082323/24 Fax:+92-21-5082325 Email: info@zahabiya.com , Web: <http://www.zahabiya.com>

Rev: 01 May 2008