



# ULTRA FLUID 235

## Water Reducing Admixture

### Admixtures

ULTRA FLUID 235 is a water reducing and plasticizing admixture for concrete.

### Surface Treatments

ULTRA FLUID 235 shows improved setting and finishing characteristics when compared to other commonly used type A water reducing admixtures.

### Protective Coatings

ULTRA FLUID 235 as produced does not contain calcium chloride or other potential corrosion enhancing ingredients.

### Concrete Repairs

#### PRIMARY APPLICATIONS

- Flatwork concrete
- Architectural concrete
- General purpose ready mixed concrete

### Industrial Flooring

#### FEATURES / BENEFITS

Plastic Concrete

- Improves finish-ability
  - Improves workability
  - Reduces water requirement
  - Reduces segregation
  - Improves setting times
- Hardened Concrete
- Increases all strength
  - Reduces permeability
  - Reduces cracking
  - Increases durability
  - Non-staining

### Grouts & Anchors,

#### PACKAGING

ULTRA FLUID 235 is packaged in bulk, 245kg/210Ltr, 35kg/30Ltr.

### Adhesives,

#### SPECIFICATIONS / COMPLIANCES

ULTRA FLUID 235 meets or exceeds the requirements of: ASTM C-494, Type A • AASHTO M-194

Characteristics

Density 1.140 @ 20°C (+0.005 @ 20°C)

Appearance: Dark Brown Liquid

Chlorides: Nil

Air Percentage: Less Than 3% but additional air may be entrained at normal dosage

Specific Gravity 1.155 @ 20°C ± 2%

### Water Proofing

#### Dosage Rates

ULTRA FLUID 235 is used at a dosage rate of 0.5 - 1.0 liters /100 kg of cementitious materials.

Dosage recommendations depend on the characteristics of the materials being used in the mix design. For over-dosage please contact Ultra Chemicals Customer Services Department. Setting time will vary with dosage rate, mix design and ambient temperatures.

Shelf life is 1 years in original, unopened package.

#### DIRECTIONS FOR USE

ULTRA FLUID 235 should be added to the sand or water. It should not come in contact with dry cement or other admixtures until they are mixed with the concrete batch.

ULTRA FLUID 235 is dispensed with automatic equipment, thus insuring uniformity of admixture use throughout the job.

#### PRECAUTIONS / LIMITATIONS

- Care should be taken to maintain ULTRA FLUID 235 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Never agitate with air or an air lance.
- Add to mix independent of other admixtures.

**WARRANTY:** The Ultra Chemicals LLC. ("Ultra ") solely and expressly warrants that its products shall be free from defects in materials and workmanship for 12 months from the date of purchase. Unless authorized in writing by an officer of Ultra, no other representations or statements made by Ultra or its representatives, in writing or orally, shall alter this warranty. ULTRA MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Ultra product fails to conform to this warranty, Ultra will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Ultra does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ultra's installation information or instructions in its product literature or on its packaging labels. Any installation of Ultra products which fails to conform to such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Ultra's products for the Buyer's intended purposes.

#### Storage:

Avoid placing in direct contact to sunlight and always store in shady areas. At high temperature more than 40°C, keep the small cap of drum opened for fumes evaporation. At low temperature below 2°C, liquid may freeze in crystal form which does not affect quality of admixture and may be used after mixing properly.

#### ISO Certification:

Our production facility at Pakistan is ISO 9001:2008 ISO 14001:2004 by BUREAU VERITAS and UKAS Management

### Sealants

Note: Dosage rate may be changed as per requirements of concrete mix, on consultation of Ultra technical staff. Over dosage can cause retardation.



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