



# ULTRA POWER - 1100

Accelerating & High Range Water Reducing Self Compacting Admixture

## DESCRIPTION

**ULTRA POWER-1100** is accelerating and high range water reducing admixture which is formulated using advanced Polycarboxylate technology. It is third generation admixture which does not contain Calcium Chloride. It improves properties of plastic and hardened concrete, provides a significant improvement in early stiffening and setting characteristics, improves workability and decreases bleeding and segregation. This complex, high performance admixture performs well under severe cold conditions allowing projects to stay on schedule.

## FEATURES / BENEFITS

- Increases early strength development without sacrificing workability.
- Reduces water demand
- Minimizes bleeding and segregation
- Replaces steam curing
- Quicker form turnaround
- The use of non-chloride
- Affords cost savings by reducing cement contents without loss of strength.
- Provide Self Compacting concrete

## PRIMARY APPLICATIONS

- Pre-cast/pre-stressed
- Ready mix concrete
- Hot weather concreting
- Cold weather concreting
- Concrete repair
- Fast track construction
- Production of Micro silica Concrete
- Self competing concrete.

## DOSAGE

**Ultra Power-1100** can be used @ 0.7-2.0 Ltr/100 Kg of cement. Dosage rate depends upon mix design. Trial mixes or necessary before going to use admixture.

## DIRECTIONS FOR USE

**Ultra Power-1100** should be mixed initially with water in to the mixer. Addition of admixture in dry concrete is not recommended

## PRECAUTIONS / LIMITATIONS

- Ultra Power-1100 will freeze at Temperatures of approximately 4°F (-20°C).
- Freezing and thawing will not harm the material if thoroughly agitated.
- Do not use air for agitation.
- Dispense independently from other admixtures.
- Do not dispense directly onto dry cement.
- In cold weather, always follow AC 306- Standard Specification for Cold Weather Concreting.

## SPECIFICATIONS/ COMPLIANCES

- Meets or exceeds ASTM C-494, Type A & F admixture.
- Complies with BS-5075 part 1 & 3

## TECHNICAL INFORMATION

### Physical Properties

Specific gravity.....1.0@20°C.....  
Freeze point. ....-4°F (-20°C)

**Shelf Life:** 2 year in original, unopened package.

## PACKAGING

Ultra Power-1100 is packaged in bulk, 210 Liters, 30 Liter

**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 to place direct to sun light and always store in shady areas.

### ISO Certification:

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