



ULTRA SUPERPLAST 675

High Performer Water Reducing And Plasticizing Admixture

Admixtures

Surface Treatments

Protective Coatings

Concrete Repairs

Industrial Flooring

Grouts & Anchors,

Adhesives,

Water Proofing

Sealants

Description

ULTRA SUPERPLAST 675 Superplasticizer is our latest generation of advanced organic polymer dispersants used to modify Portland cement grout or concrete.

ULTRA SUPERPLAST 675 lowers water demand and increases slump without having slump loss associated with other Superplasticizers. **ULTRA SUPERPLAST 675** is ideal for use in any concrete where it is desired to keep the water/cement ratio to a minimum and still achieve the degree of workability necessary to provide easy placement and consolidation.

Where to Use

Use with Portland cement grout and mortar, where high flow is needed. Bridge decks, parapets, air ports, dams, parking garage decks and on-grade highways are some of the places where **ULTRA SUPERPLAST 675** can be used.

- To significantly reduce the water consumption of a concrete mix.
- Improve workability
- Increase early and ultimate strengths without additional cement.
- Particularly suitable for increasing workability of ready-mixed concrete at higher temperatures.
- To reduce concrete permeability, reduce water penetration and enhance durability.

Properties

Appearance: Brown liquid
Specific gravity: Typically 1.150 at 20°C ± 2%
Chloride content: Nil to BS 5075
Air entrainment: Typically less than 3% additional air is entrained at normal dosages.

Benefits

- Highly efficient, producing high slump concrete at very low dosage with no loss in strength
- Holds slump for long times without loss with near neutral set time
- Excellent water reduction
- High physical strengths
- Reduces bleeding and segregation
- Reduced shrinkage
- Non Corrosive
- Use in production of flowing concrete allows easier construction with rapid placing and compaction resulting in reduced labor costs.
- Chloride free

Technical support

Ultra Chemicals provides a full technical advisory service.

ASTM C494 as type A, F and G

Typical dosage

Trail mix should be used to maximize the benefits.

The normal dosage range is from 0.5 to 2 litres/100 kg of cementitious material

Use at other dosages

Contact the Ultra Chemicals Customer Service Department for advice in these cases.

Instructions for use

Mixing patterns

Initial trials should be done with normal concrete. After initial trials, minor modifications to the overall mixture may be made as needed to

optimize performance.

More efficient use of mixing water will improve mix cohesion. The slight air entrainment obtained with Ultra superplast 675 will also help to minimize bleeding and segregation.

PACKAGING

ULTRA SUPERPLAST 675 is packaged in bulk, 245kg/210Ltr, 35kg/30Ltr.

Dispensing

The accurate quantity of Ultra superplast 675 should be measured by means of a recommended dispenser.

Contact the Ultra Chemicals Customer Service Department for advice regarding suitable equipment and its installation.

Effects of overdosing

An overdose will result in an increase in retardation.

Over-dosage may also cause increased air entrainment, which tends to reduce strength.

Curing Good curing practice

should be maintained especially in the case of an overdose. Water or Ultra Cure spray should be applied



ULTRA SUPERPLAST 675

High Performer Water Reducing And Plasticizing Admixture

Cautions

Health and safety

Ultra superplast 675 is non-hazardous. However, it should not be swallowed or allowed to come into contact With skin and eyes.

Gloves and goggles should be used. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data Sheet available for this product.

Fire

Ultra superplast 675 is water based and non-flammable.

Cleaning and Disposal

Cleaning and disposal Spillages of Ultra superplast 675 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remaining material should be rinsed down with large quantities of water.

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

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 purpose



ULTRA CHEMICALS, LLC. USA

325 Conway, Hill Road, MO, 63901, USA. Ph: 573-429-1105
info@ultra-chemicals.com, www.ultra-chemicals.com - www.ultragroup.pk

