



# ULTRA POWER - 1000

## High Range Water Reducing Self Compacting Super Plasticizer

### Description

ULTRA POWER -1000 is third generation super plasticizer which shows high water reduction and excellent fluidity or workability performance. It is aqueous carboxylic acid co polymer type super plasticizer having dynamic properties.

### PRIMARY USE

- Microsilica concrete
- Mass concrete pours
- Ready mixed concrete
- Long distance transport
- Pumped concrete
- Casting in hot climates.

### ADVANTAGES

- Provide self compacting concrete
- 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 temperature or long distance.
- To reduce concrete permeability, reduce water penetration and enhance durability.
- Reduce thermal peaks
- Reduce shrinkage.

### STANDARD

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 0.50 to 2.0 litres/100 kg of cementitious material.

Dosage rate clearly depends upon mix design and requirements. It is suggested to determine a trial mix before going to concrete.

### PROPERTIES

Appearance: Light brown liquid  
PH----- 6.5+1.0  
Chloride content: Nil to BS 5075

Air entrainment: Typically less than 2.5% additional air is entrained at normal dosages.

### Packing

Ultra power -1000 is packaged in bulk, 210 Liters, 30 Liter

### INSTRUCTIONS FOR USE

#### Mixing patterns

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

#### Curing

Good curing practice should be maintained especially in the case of an overdose. Water or Ultra Cure 603 spray should be applied.

#### Storage

Ultra Power - 1000 has a minimum shelf life of 1 year while stored at 2° - 50°C.

Freezing point: Approximately -3°C

### Cautions

#### Health and safety

Ultra Power -1000 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 Power-1000 is water based and non-flammable.

#### Cleaning and Disposal

Cleaning and disposal Spillages of Ultra Power -1000 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remaining material should be rinsed down with large quantities of water.

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#### 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