



# SUPERPLASTICIZER ADMIXTURE



## ADT ADMIX LPC 3050 (Superplasticizer Admixture)

Cost Effective, High-range, LPC based Superplasticiser for high performance

### DESCRIPTION :

ADT ADMIX LPC 3050 has been designed as an excellent cost effective superplasticiser based on Poly carboxylate ether. It improves workability and reduces water requirement in concrete and mortar. ADT ADMIX LPC 3050 easily mixes in water and effectively disperses cement particles exposing large surface area of cement. It improves workability and strength is attained with less cement. Particularly suitable for precast concrete and other high early strength requirements.

### COMPATIBILITY:

ADT ADMIX LPC 3050 is compatible with most admixtures used in the production of quality concrete including normal, other mid-range and high-range water-reducing admixtures, air entrainers, accelerators, retarders, extended set control admixtures, corrosion inhibitors, and shrinkage reducers. It is also compatible with slag and pozzolans such as fly ash, metakaolin and silica fume.

### CORROSIVELY – NON CORROSIVE:

ADT ADMIX LPC 3050 will neither initiate nor promote corrosion of reinforcing steel embedded in concrete, prestressed concrete or concrete placed on galvanized steel floor and roof systems.

### ADVANTAGE :

- Major increases in strength at early ages without increased cement contents are of particular benefit in precast concrete, allowing earlier stripping times.
- Higher ultimate strengths, reduced permeability, improved durability, reduced shrinkage and creep, increased ease in finishing concrete, Cost effective.
- Increases the durability and weather resistance.
- Water reducing admixture - Improves workability, cohesion and pump ability, reduces segregation.
- Chloride free, safe for use in prestressed and reinforced concrete. Uses in paver industries also.

### STANDARDS COMPLIANCE :

ADT ADMIX LPC 3050 conforms with IS 9103-1999 and With ASTM C494 depending on dosage used.

### TECHNICAL SUPPORT :

ADT INDUSTRIES provides a technical advisory service for onsite assistance and advice on admixture selection, evaluation trials and dispensing equipment

### LIMITATIONS :

Excessive water addition or overdosing may cause bleeding or Segregation. Overdosing may cause extension of initial and final setting times. If frozen and / or if precipitation has occurred ADT ADMIX LPC 3050 may be used after thawing slowly at room temperature and after intensive mixing



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## **PACKAGING:**

ADT ADMIX LPC 3050 is supplied in 20 kg / 235 Kg drums bulk on request

## **HEALTH AND SAFETY INSTRUCTIONS :**

ADT ADMIX LPC 3050 is non-toxic. Any splashes on skin should be washed well with water. If contact with eyes occurs, it shall be washed well with plenty of water and medical advice sought immediately. ADT ADMIX LPC 3050 is non-flammable.

## **DOSAGE:**

Optimum dosage of ADT ADMIX LPC 3050 should be determined with trial mixes. As a guide, a dosage range of 0.6% to 2% of cementitious material is normally recommended. Due to variations in concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local ADT representative.

## **STORAGE /SHELF LIFE :**

ADT ADMIX LPC 3050 must be stored where temperatures do not drop below +5°C and high +40°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature.

**Shelf life is 18 months** when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local ADT representative

## **LEGAL NOTES :**

The information, and, in particular, the recommendations relating to the application and end-use of ADT INDUSTRIES products, are given in good faith based on ADT's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with ADT's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. ADT INDUSTRIES reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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