



AL ZARINA  
BUILDING SPECIALITY FZCO

# TRICOSAL MULTIFLUID

## SUPERPLASTICISER FOR HIGH EARLY STRENGTHS

### DESCRIPTION

Tricosal Multifluid is a chloride free, superplasticising admixture based on Napthalene Sulphonate polymers.

### APPLICATIONS

Tricosal Multifluid is specially developed for high workable and flowable concrete giving high early strengths which gives the following outstanding advantages:

#### A) For Prefabricated Concrete

- Reduction of the W/C factor.
- Resulting: less gauging water.
- Considerable higher early strength.
- Increased final strength.
- Improved waterproofness.
- Shorter formwork releasing therefore the shutters can be used more often.

#### B) For Structural Concrete

- Excellent flowability.
- Considerably reduced vibration time.
- Enables efficient concrete placement.
- Makes concrete fully economical.

### USES

- Concrete panels.
- Sandwich panels.
- Prestressed/Prefab concrete elements.
- Projects with short time limits i.e. early stresses, fast formwork releasing.
- Wherever high flowable concrete is required.

### BENEFITS

Tricosal Multifluid can be used to produce flowing concrete at site using ready mix trucks. It can be added directly into concrete via feed hopper of the truck a few minutes before placing.

### CHARACTERISTICS & MODE OF ACTION

Tricosal Multifluid makes for a strong plasticising and dispersing effect on the cement and aggregate particles even at low dosage rates. The action of the cement is thus more effective and the wetting of aggregates is improved which makes the concrete significantly more homogenous. The tendency of segregation and bleeding is strongly reduced.

## DOSAGE & USE

The dosage of Tricosal Multifluid is between 250cc - 500cc per kg of cement. In special cases and after consulting our field engineers the dosage may be increased upto 750cc per kg of cement where exceptional high strength is required.

Best results are obtained when added to the mix as the last component and when at least mixed for additional 1 minute.


## TECHNICAL DATA


|                       |   |
|-----------------------|---|
| Form                  | Liquid  |
| Colour                | Dark brown  |
| Specific gravity      | 1.10  |
| Freezing point        | Approx. -1 Deg C  |
| PH value              | 7.5 ± 1   |
| Storage               | Protect from frost and excessive heat, keep containers closed |
| Chloride content      | Nil   |
| Nitrate content       | Nil   |
| Air entrainment       | < 2 %   |
| Packaging             | 210 litre drum  |
| Physiological effects | May irritate skin and eyes                                    |
| Shelf life            | 1 year in closed containers at 20 Deg C                       |


## HEALTH & SAFETY


Tricosal Multifluid is not a fire or health hazard. It is mildly alkaline. Avoid prolonged contact with the skin. Splashes to the skin should be washed with water. In case of contact with eyes immediately flush with cold water and seek medical advice.

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.

 Unit # 001, Building A1,  
International Free Zone Authority,  
Dubai Silicone Oasis, Dubai,  
United Arab Emirates.

 +971 4 346 2025

 [info@alzarinabs.com](mailto:info@alzarinabs.com)

 [www.alzarinabs.com](http://www.alzarinabs.com)