

ULTRA AM 30 – TDS

Product Name:

Ultra AM 30

Product description:

Ultra AM 30 is based on Sulphonated Naphthalene Polymers and supplied as a brown liquid instantly dispersible in water. Ultra AM 30 has been specially formulated to give high water reductions up to 25% without loss of workability or to produce high quality concrete of reduced permeability.

Advantages:

- Improved workability - Easier, quicker placing and compaction.
- Increased strength - Provides high early strength for precast concrete with the advantage of higher water reduction ability.
- Improved quality - Denser, close textured concrete with reduced porosity and hence more durable.
- Higher cohesion - Risk of segregation and bleeding minimised; thus aids pumping of concrete
- Chloride free - Safe in pre-stressed concrete and with sulphate resisting cements and marine aggregates.

Area of usage:

- To produce pumpable concrete
- To produce high strength, high grade concrete M30 & above by substantial reduction in water resulting in low permeability and high early strength.
- To produce high workability concrete requiring little or no vibration during placing.

Mixing & Applications:

➤ Dosage:

The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, strength gain or cement reduction to be measured. Site trials with Ultra AM 30 should always be compared with mix containing no admixture. As a guide, the rate of addition is generally in the range of 0.5 - 2.0 litres /100 kg cement.

➤ Over dosing:

An over dose of double the recommended amount of Ultra AM 30, will result in very high workability and some retardation of setting time will occur. However, the ultimate compressive strength will not be impaired.

➤ Dispensing:

The measured quantity of Ultra AM 30 should be added along with the gauging water. For best results, add Ultra AM 30 super plasticiser in the last phase after pre wetting the mix with 80% of the total water required.

➤ Mix design:

Ultra green construction chemical has a dedicated advisory service on Concrete Mix De-sign and can be contacted if assistance is required.

Precautions:

Keep out of reach of children, wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

Packing:

Ultra AM 30 is supplied in 5, 20 and 200 litre drums.

Storage:

Ultra AM 30 has a minimum shelf life of 12 months when stored under normal temperatures. It should be protected from extreme temperatures and preferably stored in shade.

Technical Data:

Appearance	Brown liquid
Shelf life	12 months
Specific Gravity	1.220 to 1.225 at 30°C
Air entrainment	Approx. 1% additional air is entrained
Chloride content	Nil to IS:456

Corporate office:

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