

## ENT - 50

### **Combine of water reduction and retardation admixture for ready - mix concrete (RMC)**

A set retarding and water reducing plasticizer, designed and produced for ready mix concrete, suitable for use with all cement types. The product enabled a substantial reduction of water needed, give the mixture a higher plasticity level and prevents loss of workability during transportation and casting. It enables a significant increase in the final compressive strengths. The admixture allows easier delivery, pumping, and casting while maintaining the required strength.

#### **Key benefits**

1. High range water reducer for all concrete types
2. Long retention time
3. Improves the consistency and the strength of the concrete
4. Keeps lower air content
5. Reduce water bleeding
6. Can be use in warm climate conditions
7. Improve concrete water penetration resistance
8. Reduction of the cement amount in the concrete mixture

#### **Admixture properties**

- Color: Dark brown
- Density:  $1.18 \pm 0.03$
- pH Value: 5
- Chloride free
- Chemical stability: up to 65°C / 149°F

#### **Dosage**

Recommended dosage is 0.8% - 1.8% (% wt. of the cement).

#### **Application**

To maximize the admixture effective, the admixture should be added after mixing all the other materials with 70% of the water, with the last 30% of the water.

#### **Storage**

Shelf life: 12 months

Recommended storage conditions: store the admixture in sealed dark tanks, located in a shaded area, out of direct exposure to the sun.