

QIS FLUMAX M 300

MELAMINE BASED SUPERPLASTICIZER CONCRETE ADDITIVE FOR HIGH EARLY STRENGTH CONCRETE PRODUCTION



DESCRIPTION

QISFLUMAXM 300 is a highly water-reducing, transparent, melamine-based superplasticizing concrete additive for high early and final strength concrete production.

USAGE AREAS

- In high quality concretes where high early strength and low water/cement ratio are required.
- In the production of construction and industrial building elements in the precast industry.
- In the production of decorative stones.
- In structures that will be under early load such as flooring, columns, beams, bridges.
- In the production of chemical resistant concrete.
- In the harbor and underwater concretes.
- In static and dynamic stress-resistant concrete.
- In wastewater treatment plants.
- On industrial floors.
- In conditions where air temperatures are low.
- In reducing the duration of the vapor cure.
- In concrete castings that need to be molded early.
- In structures where resistance to sulfate and chlorine is required.

CHARACTERISTICS

- Low water/cement ratio is obtained.
- It does not contain chlorine.
- It reduces the need for water in concrete. (water reduction 20 - 30%)
- It can be used in any climatic conditions.
- It provides high early strength in a short time, especially in cold weather.
- It makes the concrete impermeable.
- Non-dissociating, non-bleeding concrete is obtained.
- Resistance to aggressive chemicals increases in concrete.
- Homogeneous and cohesive concrete is obtained.
- The mold de-moulding time in concrete is reduced.
- It reduces or eliminates the duration of the vapor cure.
- The need for vibration is reduced.
- It increases the resistance to sulfate and chlorine in concrete.
- It increases the resistance of concrete to freezing and thawing.
- It provides shine to the surface in the production of decorative stones.

APPLICATION METHOD

Application

After the additive is added to the concrete mixture with the final mixing water (after 70% use of the mixing water), it should be thoroughly mixed until a homogeneous mixture and the desired workability are obtained. The additive should never be added on dry aggregate and cement as it causes a decrease in water and plasticizer effect. The processability time after the use of QIS FLUMAX M 300 depends on the applied dosage, the type and dosage of cement, the aggregate used and the ambient temperature. The loss of workability occurs gradually and should be tested on site to determine this value. Usually, the processability time after the use of additives is between 10-20 minutes. (20°C)

Adaptation

QISFLUMAXM300 can be used with the following substances;

- Portland and other cements in ASTM standards
- Air-driven concrete additives
- Fiber and steel wire fittings

CONSUMPTION

Average 0.5 - 2.0% of cement weight

Can be used up to 5.0%.

PACKAGING AND STORAGE

30 kg Plastic Canister, 1000 kg IBC.

Shelf life when stored in its original packaging at +10°C / +30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 12 months from the date of manufacture.

SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

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