

TECHNICAL DATA SHEET

ADDAGE PLAST AP 251

(Plasticizer for pumpable concrete on Sulphonated Naphthalene based, used in general purpose ready mix Concrete)

PRODUCT DESCRIPTION

Addage Plast AP 251 is based on Sulphonated Naphthalene Polymers and supplied as a brown liquid instantly dispersible in water. Addage Plast AP 251 has been specially formulated to give high water reductions upto 15% without loss of workability or to produce high quality concrete of reduced permeability. Plasticizer for pumpable concrete on Sulphonated Naphthalene base.

Used in general purpose ready mix concrete.

PROPERTIES

Reduces water up to 10 to 15% without effecting the workability.

Increases workability at a given W/C ratio easy compaction, eliminates honeycombing.

Provides highly cohesive concrete mix and reduce the chance of bleeding and segregation.

Applied for positive negative sides of water proofing.

Makes concrete less permeable and hence more durable.

APPLICATION

To produce pumpable concrete high water reduction leads to high early strength.

Chloride free admixture safe for use in prestressed and reinforced concrete.

TECHNICAL SPECIFICATION

TEST	RESULT
Color	Brown color liquid
pH	7-9
Chloride Content	Less than 0.05 %

ADVANTAGES

Increases strength.
No chloride – suitable for RCC.
Compatible with all types of Portland cement including slag / SRC.
Helps in reducing cement content for a required strength.
High early and ultimate compressive strength concrete.

METHOD OF APPLICATION

The correct quantity of **Addage Plast AP 251** should be measured with recommended dispenser and should be thoroughly dispersed with approx. 25% of the recommended water content (based on mix design by weight). Mix concrete constituents along with balance approx. 75% of the recommended water content (Based on mix design by weight) for 3 minutes. As soon as step 2 is over, the admixture dispersed in water (as in step 1) is to be added to the wet concrete and mix it further for 2-3 minutes to get a homogeneous mix.

PRECAUTIONS AND LIMITATIONS

Should not be added in dry mixes under any circumstances.
Keep the liquid above freezing temperature.
Overdosing may lead to delay in setting time.
Is non-toxic and inflammable. When in contact with the skin, it can be washed with water.

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 ADDAGE PLAST AP 251 should always be compared with mix containing no admixture, as a guide, the rate of addition is generally in the range of 0.6 – 1.5% by weight of cement.

STORAGE:

ADDAGE Plast AP 251 should be stored in a cool place and protected against moisture. Storing at higher temperatures or in high humidity may shorten the shelf life.

SHELF LIFE

ADDAGE Plast AP 251 has a shelf life of 12 months in unopened containers when stored in a dry environment at temperatures ranging from 5°C to 45 °C .

PACKING:

ADDAGE Plast AP 251 available in 60 kg can & 250 kg Barrel.

