



EUCON 542

HIGH RANGE WATER REDUCING RETARDING ADMIXTURE

EUCLID CHEMICAL

DESCRIPTION

EUCON 542 is a high range water reducing admixture formulated specifically to extend the working time of flowing concrete at high temperatures. It is compatible with air entraining agents, waterproofing agents, however each material should be added repeatedly.

PRIMARY APPLICATIONS

- Reinforced concrete
- High strength concrete
- Industrial slabs
- General Readymix Concrete
- Prestressed concrete
- Parking structures
- Watertight concrete

FEATURES/BENEFITS

- Produces "flowing" concrete with controlled delay of slump loss and workability.
- Greatly reduces water requirements.
- Reduces segregation and bleeding in the plastic concrete.
- Reduces cracking and permeability of hardened concrete.
- When used to produce "flowing" concrete, significantly reduces concrete placement time and cost.

TECHNICAL INFORMATION

PROPERTY	VALUE
Physical State	Dark Brown Liquid
Base Material	Sulphonated naphthalene formaldehyde condensates
Specific gravity	1.23 ± 0.02 @27°C
pH	Minimum 6
Air entrainment	1.5% over control mix
Chloride content	< 0.2 %

Compatible with all cement types like OPC, OPC + Fly ash, PSC etc.,

PACKAGING / YIELD

EUCON 542 is packaged in bulk 250 kg drums.

SHELF LIFE

1 year in original, unopened container.

SPECIFICATIONS/COMPLIANCES

EUCON 541 meets or exceeds the following requirements:

- ASTM C 494, Type G
- AASHTO M 194
- IS9103/2007

DIRECTIONS FOR USE

- Normal Dosage ranges -200 ml - 600 ml /50 kg of cement.
- However the optimum dosage is determined by site trails.
- Eucon 542 should be added to the initial batch water of the concrete mixture.
- Do not dispense into dry cement.
- Overdosing leads to retardation of setting times of concrete, mix may segregates and bleeding of concrete.

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain Eucon 542 above freezing. However freezing and subsequent thawing will not harm the material if thoroughly agitated.
- In all the cases refer safety datasheet before use.