



Hydratard 33

Water-reducing and Retarding Admixture For Fly ash Concrete

Description

A powerful set liquid retarding agent free from chlorides and other corrosive agents. Reduces water requirements with no reduction in flow and workability especially for fly ash concrete.

Object

For use where high quality concrete is required under difficult conditions such as:

- High temperatures
- Traffic jams where concrete trucks may get delayed in traffic
- Where big volumes of ready-mixed concrete is pumped out
- Ready-mixed and pre-stressed and concrete for casting of mass-volume concrete structures

Advantage

- Longer setting times at high temperatures, extending initial setting time by 2-4 hours at 20° C
- Up to 30% reduction of water required with the addition of Hydratard 33 in relation to water required for same concrete mix with same performance of concrete without Hydratard 33
- Improved workability of concrete
- Long-lasting control of slump-loss
- Increases density of concrete and thereby reduces water permeability and increases water-proofing characteristics of concrete
- Reduces bleeding and segregation of concrete after casting
- Reduces shrinkage and creep in concrete after casting

- Reduces wear of mechanical parts in concrete pumps and thereby reduces overall costs of placing of ready-mixed concrete
- Chloride free and thereby not affecting reinforcement steel
- Provides for a more easily vibrated concrete and thereby reduces the risk for honey-combs

Standard

Meets ● A.S.T.M. C494-1980 Type A&D

Instruction for Use

- 400-1000 ml per 100 kgs of cementitious compound depending on composition of concrete, types of aggregate and sand, water/cement ratio, temperature etc.
- Always consult ACT Technical Services before using first time.
- Shall be added directly into mixing water before such water is added to aggregates
- Exact and precise dispensing equipment including service is available from ACT

Effect on Overdosing

Accidental overdosing with Hydratard 33 causes an extension of initial setting time. This may negatively affect quality of concrete after casting. Contact ACT Technical Services immediately.

Characteristics

Appearance:	dark brown liquid
Bulk density:	1.18 +/- 0.01 kg/l
pH value:	7.0
Freezing point:	-2 °C
Flash-point:	Non-flammable

Packing and Delivery

In drums of 210 l. or by bulk by tanker.

Storage

Unlimited in well sealed and unbroken drum, stored in shade and avoiding excessive heat.

Cleaning

Do not pour surplus materials down drains, wash all brushes immediately with water.

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