

Water Reducing And Retarding Admixture For Concrete



AddChem G305[®]

Description

AddChem G305[®] is a concrete admixture based on polymers and retarders for water reduction and improved strength. It has been designed for use alone or with other grades of admixture.

Advantages

AddChem G305[®] is used wherever high quality concrete is demanded under difficult placing and climatic conditions.

USES

AddChem G305[®] is suitable for use with all types of ordinary Portland cements and microsilica. The product improves workability without increased water. Maintains workability and extends the working life of concrete in hot weather.

- Improved workability
- Enhanced good flowing concrete
- Give longer workability
- Delay setting with longer workability
- Chloride free

Technical Properties

Nature	Brown liquid
Specific Gravity	1.150 ± 0.02
pH	7 ± 2
Chloride content	Nil

Standards Compliance

- ASTM C-494 Type D & G
- BS 5075 Part 3.

Packaging

AddChem G305[®] is available in IBC and other pack size.

Compatibility

AddChem G305[®] is compatible with a wide range of admixtures.

All admixtures should be added to the concrete separately and must not be mixed together prior to addition.

The resultant properties of concrete containing more than one admixture should be assessed by trial mixes.

Water Reducing And Retarding Admixture For Concrete



AddChem G305[®]

Dosage

The required dosage depends on the concrete design and varies typically between 0.6 – 2 % of the cement weight.

AddChem G305[®] should be added with the water before mixing the concrete.

Dosages outside this range as well as blending with other admixtures can be used to produce particular mix requirements.

After laboratory trials to obtain desired level of performance and benefits.

Overdosing

An overdose of **AddChem G305[®]** will result in a significant increase in retardation. However provided that adequate curing is maintained, the ultimate strength of the concrete will be maintained or increased.

Shelf Life

12 months when stored below 35°C under shade in dry area.

Warehouse Conditions

AddChem G305[®] store in normal temperature and closed shaded dry area in undamaged original packing.

Quality, Environmental & HS

AddChem G305[®] is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

Technical support

For any technical support, please contact IChem technical office or representatives

Technical Data Sheet - January 2024, Version 1.1.5

Office : 22 El-Shaheed Mohamed Abd
El-Hadi Street, Nasr City, Cairo
Website : www.iChemEg.com
Email : info@iChemEg.com

