



FLOWCRETE G300

فلو كريت جي ٣٠٠

Type G Concrete Admixture, functions as workability retention, and retarder

Added Value

FlowCrete G300 provides a high performance concrete admixture which is specially designed for Ready Mix Concrete industry to provide high performance concrete admixture for concrete transported into long distances with controlled, delayed setting time complied with ASTM C494 Type G.

Application, Dosage, and Packing

FlowCrete G300 Added to concrete mixing water or directly to the batch plant by dispensers

Open addition % starting from 0.5% up to 2% without any excessive retardation on concrete.

Supplied in 20, 200, and 1000 Litres plastic packs.

Product Specifications

- **FlowCrete G300** is a brown viscous liquid.
- Dosage from 0.5 to 2 %.
- Specific Gravity 1.2 @ 20° C.
- PH: 8.5 - 9
- Complies all requirements of ASTM C494 Type G.
- Does not contain any harmful material
- Valid for 1 year from the production date.



FlowCrete G300.

♦ The Ready Mix concrete industry needs to transport concrete for long distance from the batch plant to the site with needed workability.

♦ The Ready Mix industry needs an admixture which provide high workable concrete in a low water/cement ratio, and high early and ultimate strengths.

♦ **FlowCrete G300** provides all these criteria with high performance effect.

♦ **FlowCrete G300** provides only one product in the Batch Plant used in a variety of dosage between 0.5 to 2 % (Trail batches should be carried out to determine the best percentage for the specific mix design).

♦ **FlowCrete G300** is an innovative solution for Ready Mix industry provide both high quality admixture and economic cost per cubic meter of concrete.

♦ **FlowCrete G300** is suitable for all types of concrete, SRC, and OPC based, and for all classes of concrete.



Application Fields

- **Used for transporting concrete for long distances in trucks with maintaining the workability .**
- **For easier concrete pumping in high rise construction.**
- **Used in concrete mix design with low water cement ratio.**
- **Used as Type G concrete Admixture in the addition range of 1.5 to 2% .**
- **For getting a more workable concrete in a certain concrete mix design**
- **For the transportation of concrete for long distances up to 1-2 hours**
- **For faster strength gain and de-mould of forms.**
- **FlowCrete G300 is a water-based materials and does not contain any harmful material for both human and environment.**
- **FlowCrete G300 does not contain Lignin for preservation of the environment.**

Precautions:

- **Flowcrete G300** is contains retarder material which may affect cement setting time if used in a dose over the specified dosing (0.5 to 2%).
- Sulphate Resisting Cement (SRC) is more sensitive to retarding agents than the Ordinary Portland Cement (OPC) so much care should be taken during the use of **FlowCrete G300** with SRC and trial batches should be carried out in site before deciding the dosage.
- Disposal of **FlowCrete G300** is carried out by pouring out the remnant of the material in sand and leaving to dry out.
- In case of a need to add a re-dose admixture use **FlowCrete FE** or **FlowCrete** to the mixing truck in a dosage of 1 liter/ cubic meter (separate data sheets are available).



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