



TufFlow SP 303

Mid Range Super Plasticizer with High Slump Retention

Description

TufFlow SP 303 is a blend of Naphthalene sulphonate and refined hydration control agent, Provides high workability and better slump retention.

TufFlow SP 303 is used to produce High workability cohesive concrete .High Initial workability and good slump retention makes it suitable for long haul concreting.

Application

- Flatwork, architectural concrete
- Micro silica and GGBS modified concrete where durable and low permeability concrete is required
- Long Haul and hot weather concreting

Features/ benefits

Plastic concrete

- Improves finishability.
- Improves workability
- Reduces water requirement
- Extended setting time

Hardened Concrete

- Increases compressive strength
- Reduces permeability
- Reduces shrinkage
- Increases durability

Standards Compliance

Complies with ASTM C-494 type -D and G and EN 934:2

Typical properties

Appearance	: Dark Brown liquid
Specific gravity @ 25 ⁰	: 1.19
pH	: 6-8
Chloride content	: Chloride free (EN-934-2)

Technical support

GIC provides a comprehensive technical support services to specifiers, end users and contractors, and is able to offer on -site technical assistance.

Instructions for use

Recommended Dosages

0.6 to 1.4 liters /100 Kg of cementitious material. Dosage will vary according to concrete property requirement and mix design.

Dosage other than recommended dosages is not uncommon, Lab and site trials are necessary to ascertain the optimum dosages for particular application

Compatibility

TufFlow SP 303 is compatible with other GIC admixtures. All admixtures should be added to the concrete mix separately and must not be mixed together prior to addition. The resultant Properties of the concrete containing more than one admixture should be assessed by trial mixes.

TufFlow SP 303 is suitable for use with all types of Portland cement and cement replacement Materials Such as PFA, GGBS and Micro silica.

Dispensing

Should be added to the mix during mixing cycle. It can be added with the Gauging water or after all the water has been added.

Alternatively can be added directly to mixer truck via the feed hopper whilst at site. Workability will be higher and delays , initial set will delay by adding admixture this way. The site addition is recommended during hot weather concreting.





Effects of over dosages

Over dosages, may result in increase in Workability, set retardation, increases in air content. Provided that adequate curing is maintained the ultimate strength of the concrete will not be impaired by increased retardation.

Curing

Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Recommended curing agent **TufCure WB, TufCure clear, TufCure RB**

Packing and storage

210 liters drums, 1000 liters flow bins or Bulk. Store under cover and protect from extreme temperatures.

Shelf life

12 months under recommended storage conditions

Health and safety

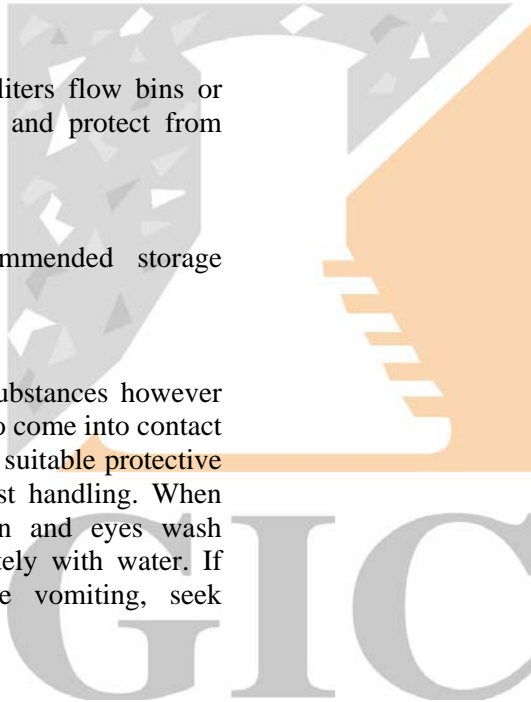
Contains no hazardous substances however it should not be allowed to come into contact with skin and eyes .Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes wash thoroughly and immediately with water. If swallowed, don't induce vomiting, seek medical attention

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and Represents our best knowledge and experience. No warranty is given or implied as GIC has no Control over the conditions of use and the competence of any labor involved in application.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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