

New generation plasticizer, specially designed for use in Manufactured Concrete Products

Description of Product

RheoFIT[®] 780 is designed to produce a cohesive high workability concrete.

RheoFIT[®] 780 complies with:

- BS 5075, Part 1
- EN 934 -2

FIT 4 VALUE:

RheoFIT[®] 780 is a key component to BASF's FIT 4 VALUE concept.

FIT 4 VALUE considers the four elements essential for MCP Manufactures:

- FIT for Economics
- FIT for Performance
- FIT for Aesthetics
- FIT for Durability

Here, FIT means meeting every requirement for economics, performance, aesthetics and durability.

Features and Benefits

Concrete manufactured using RheoFIT[®] 780 should have the following benefits:

- Allows the manufacture of economic high quality flowing concrete without undesirable side effects.
- Very high resistance to segregation and bleeding.
- Excellent surface finishes.
- Denser more durable concrete.
- Provides easier and quicker placing and compaction.
- Reduces labour costs.
- Minimal effect on setting time.
- Compatible with all types of Portland cement.

Fields of Applications

RheoFIT[®] 780 is suitable for use in the following applications:

- Concrete Tile Manufacture
- Readymix Concrete
- Precast Concrete
- Pumped Concrete

Technical Data/Typical Properties

Appearance	Dark Brown Liquid
Specific Gravity@ 20°C	1.19± 0.02 g/cm ³
Chloride Ion Content	Nil
Freezing Point	- 5°C
Nitrate content	Nil

Application Procedure

Dosage

RheoFIT[®] 780 is recommended for use at a rate of 0.30 – 0.60 litres per 100 kg of cement for most concrete mixes using average concrete ingredients. Due to variations in site conditions and concrete materials, dosage rates other than those recommended may be required.

The manufacturer would advise that trial mixes should be undertaken, using job materials, in simulated job conditions to determine suitable dosage rates and performance.

Application

RheoFIT[®] 780 is supplied ready for use. The admixture should be added to the concrete mix at the same time as the water. RheoFIT[®] 780 should never be added directly to the cement. RheoFIT[®] 780 should not be used in conjunction with other admixtures without prior consultation with the BASF IBC Admixture Systems Technical Department.

Over Dosage

Over-dosing using RheoFIT[®] 780 can cause the following effects:

- Considerable increases in workability
- Increased air entrainment
- Retardation of initial and final set

If over-dosing does occur please consult the BASF IBC Admixture Systems Technical Department for recommendations.

Packaging

RheoFIT[®] 780 is supplied in 25 Litre, 210 Litre, 1000 Litre containers and Bulk.

Storage

Store away from direct sunlight in ambient temperatures and in dry conditions.

Shelf life

12 months in manufacturers sealed drums.

Watchpoints

If RheoFIT[®] 780 admixture has frozen, thaw at temperatures above 2°C and completely reconstitute by mild agitation. Do not use pressurised air for agitation.

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Storage

RheoFIT[®] 780, BASF IBC Admixture Systems Limited, Version 1

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"BASF IBC Admixture Systems Limited" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.



The Chemical Company

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.

RheoFIT[®] 780
(Formerly S.P.2)