

Accelerator, specially designed for use in Manufactured Concrete Products

Description of Product

RheoFIT[®] 784 is a Calcium Chloride based liquid admixture which increases the initial rate of reaction between the cement and water, thereby accelerating the setting and early strength development of concrete.

FIT 4 VALUE:

RheoFIT[®] 784 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.

Application

An Accelerator that encourages increased early age hardening of plain concrete, enabling shorter formwork and mould stripping times, thus providing increased efficiency. Suitable for use in low temperatures therefore providing higher production yields in winter.

Features and Benefits

RheoFIT[®] 784 is supplied ready for use and should be added to the concrete mix at the same time as the mixing water.

Technical Data/Typical Properties

Appearance	Opaque Liquid
Specific Gravity @ 20°C	1.3 – 1.35 g/cm ³
Chloride Content	40-45% as Calcium Chloride
Freezing Point	- 8°C

Application Procedure

Dosage

RheoFIT[®] 784 should be added at the rate of 1 - 2 % by weight of the cement. It is recommended that initial site trials are carried out in order to determine the optimum dosage rate.

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

Watchpoints

- RheoFIT[®] 784 should never be used in reinforced concrete, (concrete that contains embedded metal).
- Over dosage will give increased acceleration and workability but may cause flash setting.

Compatibility

RheoFIT[®] 784 should not be premixed with any other admixtures. BASF IBC Admixture Systems recommends consultation with the BASF IBC Admixture Systems Technical Department if the concrete mix requires the use of other admixtures.

RheoFIT[®] 784 is compatible with all cements currently available on the Irish Market.

Watchpoints

If RheoFIT[®] 784 admixture has frozen, thaw at temperatures above 2°C and completely reconstitute by mild agitation. Do not use pressurised air for agitation.



The Chemical Company

RheoFIT[®] 784

(Formerly Axel No.1)

Packaging

RheoFIT[®] 784 is available in 25 Litre, 210 Litre, 1000 Litre containers and Bulk.

Shelf Life

12 months in manufacturers sealed drums.

Storage

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

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RheoFIT[®] 784, 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.

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.