

Description

RheoFIT 900 plasticizing admixture is based on a unique, patented chemistry specially formulated to enhance the production efficiency and aesthetic appeal of manufactured concrete products. As compared to traditional plasticizing chemistries, RheoFIT 900 admixture additionally disperses cement, pozzolans, and integral pigments, further reduces compaction/extrusion resistance, and improves both material feed and distribution. This results in increased compressive and flexural strengths, faster production rates, and improved surface finish characteristics. Throughout its dosage range, RheoFIT 900 admixture provides a wide window of operation with a high degree of predictability. RheoFIT 900 admixture produces a light swipe on the formed surfaces of manufactured concrete products.

Applications

Recommended for use in:

- Concrete block
- Pavers and patio slabs
- Segmental retaining walls
- Hollow core slabs
- Concrete pipe
- Concrete roof tiles

RheoFIT™ 900

Plasticizing Admixture

Features

- Flexible dosage range
- Excellent mix flow ability and extrusion properties
- Optimized dispersing and lubricating mechanisms
- Reduces stickiness in problematic mix designs
- Unique plasticizing technology that fully exploits cementitious potentials yielding higher early and ultimate strengths

Benefits

- Increases production rates
- Increases compressive and flexural strengths
- Improves color and texture uniformity
- Reduces breakage, culls, and surface defects
- Extends mold life and reduces machine wear
- Assists material fill of large format machinery and constricted mold designs
- Increases mix moisture tolerance and produces consistent results at higher w/c ratios

Material Properties

pH	7.13
Specific Gravity	1.03
Viscosity	53cp
Appearance	Brown aqueous solution

Guidelines for Use

Dosage: 2 to 12 oz/cwt (130 to 780 ml/100 kg) total cementitious material. Please consult with your local sales representative if dosages outside the recommended range are being considered.

Mixing: For maximum efficiency, add RheoFIT 900 admixture after the majority of the mix water (approximately 75%) has been introduced and the cement has been sufficiently dampened. Allow at least 90 seconds of additional mix time after admixture has been dispensed.

Storage and Handling

RheoFIT 900 admixture must be protected from freezing. This product should be shipped

Product Data: RheoFIT™ 900

and stored at temperatures above 45 °F (7 °C) and below 110 °F (43 °C).

Shelf Life: RheoFIT 900 admixture has a minimum shelf life of six months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life has been exceeded.

Packaging

RheoFIT 900 admixture is available in 53 gallon (200 liter) drums, 265 gallon (1000 liter) totes and by bulk delivery.

Related Documents

Material Safety Data Sheets: RheoFIT 900 admixture.

Additional Information

For additional information on RheoFIT 900 admixture or its use in developing a concrete mixture with special performance characteristics, contact your local sales representative.

The Admixture Systems business of BASF Construction Chemicals is a leading provider of innovative admixtures for specialty concrete used in the ready mix, precast, manufactured concrete products, underground construction and paving markets throughout the North American region. The Company's respected Master Builders brand products are used to improve the placing, pumping, finishing, appearance and performance characteristics of concrete.

BASF Construction Chemicals, LLC
Admixture Systems

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