

REC PROOF P14

PLASTICIZING/EFFLORESCENCE CONTROLLING/WATER-REPELLENT ADMIXTURE

DESCRIPTION

REC PROOF P14 is a multi-functional, high-performance admixture developed for concrete masonry and other applications. This highly efficient, silicone polymer-based product contributes tangible, value-added benefits throughout its dosage range, and is an approved component of the REC PROOF SYSTEM. REC PROOF P14 quickly disperses and chemically bonds to the concrete upon curing, thus ensuring long-lasting protection from water intrusion and related degradation. It can be used alone or in combination with a variety of other Reckon admixtures to enhance or modify concrete properties.

PRIMARY APPLICATIONS

- Pavers and patio products
- Segmental retaining wall units
- Concrete block and brick
- Stone veneer and other precast products
- Concrete roof tiles
- Cast stone

FEATURES/BENEFITS

- Superior water repellency protects masonry from weather related damage
- Reduced absorption enhances durability, efflorescence control & color retention
- Markedly improved material flow/distribution maximizes density, strength, & product consistency
- Uniquely increases water tolerance, cement efficiency, production rate, & color vibrancy
- Inhibits growth of mold and mildew by virtue of slower wetting and quicker drying of concrete products

TECHNICAL INFORMATION

Appearance White, free flowing liquid.

Specific Gravity 0.98

Freezing point 32oF (0oC)

REC PROOF P14 is compatible for use with other RECKON plasticizing, efflorescence-controlling, and set-accelerating admixtures to achieve customized performance characteristics.

PACKAGING

REC PROOF P14 is available in (1000 L) tanks, (210 L) drums and (20 L) pails.

SHELF LIFE

12 months in original, unopened container.

SPECIFICATIONS/COMPLIANCES

- REC PROOF P14 achieves excellent results when tested in accordance with ASTM E 514, "Standard Test Method for Water Penetration and Leakage Through Masonry".

DIRECTIONS FOR USE

Dosage Rate: Depending on the application (see below), REC PROOF P14 is recommended for use at 1 to 8 oz./100 lbs. (65 to 522 mL /100 kg) of cementitious material. Dose REC PROOF P14 after cement has been fully wetted and the majority of total mix water has been added then mix adequately (45sec.to 2min.- depending on mixer) to achieve proper dispersion.

SPECIALTY PLASTICIZER: Use at 1 to 1.5 oz./100 lbs. (65 to 98 mL/100 kg) of cementitious material to speed production rate, improve texture and consistency, and to provide differentiated properties in standard block production.

EFFLORESCENCE CONTROL: REC PROOF P14 provides efflorescence control when used at a dosage rate of 1 to 3 oz./100 lbs. (65 to 196 mL per 100kg) of cementitious material.

WATER REPELLENCY:

Normal Weight Block - 2 to 4 oz./100 lbs. (130 to 260 mL /100 kg) of cementitious material.

Medium Weight Block - 4 to 6 oz. /100 lbs. (260 to 391 mL /100 kg) of cementitious material.

Lightweight Block - 6 to 8 oz./100 lbs. (391 to 522 mL/100 kg) of cementitious material. For test methods used to evaluate such performance, "Characteristics of Concrete Masonry Units with Integral Water Repellent."

NOTE: REC PROOF P14 is an optional component of the REC PROOF SYSTEM for specified water repellency. This 2-part system also requires the use of REC PROOF P11 to resist water penetration through the mortar joints.

Specified water-repellent projects must include REC PROOF P11 in the associated masonry mortar per data sheet and label instructions. Failure to do so will compromise the performance of the REC PROOF SYSTEM and is in violation of its guide specification. Incorporation of these products will not compensate for flaws in building design, inadequate production procedures, or improper construction practices.

Only concave or "V" tooled joints should be allowed for water repellent masonry construction incorporating the RECKON REC PROOF SYSTEM. These recommendations are supported by both the National Concrete Masonry Association (NCMA) and the Brick Institute of America (BIA). For

added protection. Consult your Reckon Chemical representative for additional information on this product.

PRECAUTIONS/LIMITATIONS

- REC PROOF P14 requires storage between 40oF (4oC) and 105oF (40oC); protect from extreme heat (direct sunlight) and freezing temperatures. REC PROOF P14 is not usable after it freezes.
- REC PROOF P14 is intended for use with proper mix designs/production methods.
- During construction, excess mortar should be promptly removed and clean residue.
- REC PROOF P14 will not compensate for flaws in building design, improper production procedures, or improper construction methods. The Reckon Chemical Company is not responsible for inappropriate use of REC PROOF P14.
- For added protection against crack-induced leakage, use an exterior application of Heavy-Duty Penetrating Sealer.
- In all cases, consult the Material Safety Data Sheet before use.

WARRANTY: The Reckon Chemicals (Pvt) Ltd. (Reckon) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Reckon, no other representations or statements made by Reckon or its representatives, in writing or orally, shall alter this warranty. Reckon MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Reckon product fails to conform with this warranty, Reckon will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Reckon does not authorize anyone on its behalf to make any written or oral statements which in any way alter Reckon's installation information or instructions in its product literature or on its packaging labels. Any installation of Reckon products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Reckon's products for the Buyer's intended purposes.

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