

Aquafilm

Evaporation Retardant

Description

Aquafilm is a ready to use water based evaporation retardant for concrete flatwork. Aquafilm reduces surface moisture evaporation in rapid-drying conditions (high temperature - low humidity - wind - direct sun). V.O.C. compliant.

Manufacturer

Conspec
636 S. 66th Terrace
Kansas City, Kansas 66111
Customer Service (800) 348-7351
Technical Service (877) CONSPEC

Use

Aquafilm, when applied over fresh concrete, creates a monomolecular film retarding the moisture loss from the concrete surface, allowing time for proper finishing and help in preventing plastic shrinkage of the concrete slab.

Benefits

- Ready to use formulation - no mixing
- Retains needed surface moisture in concrete slabs
- Helps prevent plastic shrinkage cracks
- Reduces crusting and stickiness, allowing easier troweling of the concrete surface
- Promotes higher strength, more durable concrete by allowing lower slump concrete without the need for additional mix water to combat evaporation
- Allows additional time, when applying surface hardeners, to properly finish and later cure the slab
- Allows easier finishing of polymer, fiber reinforced, or silica fume modified concrete or mortar mixes

- Effective for both interior and exterior flatwork
- Will not inhibit bonding of cures coatings nor alter the final color of the concrete
- Helps prevent crusting in cold weather concreting applications using heaters

Architectural Specifications

Evaporation Retardant: The use of a pigmented monomolecular evaporation retardant is required under rapid-drying conditions (direct sun - wind - low humidity) to retain surface moisture and facilitate finishing.

Approved product: Conspec Aquafilm or approved equal.

Product must be used in strict accordance with the manufacturer's recommendation.

Applicable Standard

As recommended by ACI 302: "Evaporation Retardant/Monomolecular Film"

Application

Agitate prior to using. On freshly placed concrete, Aquafilm should be spray-applied immediately after screeding or bullfloating to prevent plastic shrinkage. When used as an

evaporation retardant during dry-shake hardener applications, one or more applications may be required to prevent premature drying.

Aquafilm should be applied under normal weather conditions at the rate of 150 - 250 sq. ft./gal. (3.7-6.2 m²/L). As drying conditions or wind become more severe, increase the amount of material used to 50-100 sq.ft./gal.(1.2-2.5 m²/L).

Do not over apply.

Packaging

55 gallon drums (208.2 L)
5 gallon pails (18.9 L)
1 gallon jugs (4 to a case)(3.8 L)

Limitations/Precautions

Aquafilm is not a curing compound. Proper curing methods must be used to assure quality concrete. Do not allow Aquafilm to freeze. Thawed material will not go back into solution. Aquafilm is effective only when concrete is in the plastic state and must be used before final finishing begins. Immediately wipe up any Aquafilm spilled on hardened concrete. Aquafilm is formulated with a fugitive dye to allow easy monitoring of application immediately after concrete placement. Aquafilm, if allowed to dry on hardened concrete, may stain and must be removed with Conspec Conclean 5000.

Keep out of reach of children. Do not take internally. Avoid prolonged contact with skin. If swallowed, call physician. Wear rubber gloves, goggles and protective clothing.

Recommended safety equipment:

Rubber gloves, goggles and protective clothing.

Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

V.O.C. Content

Less than 350 g/l. Complies with Federal V.O.C. standards for Curing Compounds. Do not thin or dilute.

Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If Conspec, in its sole discretion, determines that the product breached

the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price.

This is the sole and exclusive remedy for breach of this warranty. Only a Conspec officer is authorized to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this

Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

Storage

Aquafilm should be stored in tightly sealed original factory containers. Store in horizontal position to prevent moisture accumulation on the drum head. Protect from freezing.

Technical Services

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec request.