



Concrete Admixtures and Fibers

IMIFILM

Evaporation Retardant

DESCRIPTION

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

USE

IMIFILM, when applied over fresh concrete, creates a monomolecular film etarding 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 to reduce 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

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APPLICABLE STANDARDS:

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

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

ARCHITECTURAL SPECIFICATIONS:

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.

APPLICATION

Agitate prior to using. On freshly placed concrete, **IMIFILM** 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. **IMIFILM** 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 50-100sq.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

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

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.

STORAGE :

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