



ChemMasters

SPECIALTY CONSTRUCTION PRODUCTS

SPRAY FILM

EVAPORATION RETARDANT
FOR FRESH CONCRETE

P R O D U C T D A T A

DESCRIPTION

SPRAY FILM is an evaporation retardant film for freshly placed concrete. **SPRAY FILM** retards the evaporation of moisture from fresh concrete surfaces by forming a monomolecular film on the surface. **SPRAY FILM** is effective in combating rapid drying of the surface during adverse conditions including high temperatures, low humidity high winds, direct sunlight or interior work in heated conditions.

USES

- Fresh concrete surfaces where the evaporation rate exceeds the rate of bleeding of the concrete
- Exterior placements during times of low humidity, high winds, direct sun or temperatures exceeding 75°F (24°C)
- Interior placements in heated areas or with low humidity or areas subjected to drafts
- Large dry shake placements where surface moisture must be retained for proper installation

ADVANTAGES

- Reduces surface moisture loss by approximately 80% in windy conditions and 40% in direct sunlight
- Will not interfere with the adhesion of subsequent curing & sealing compounds
- Reduces crusting, stickiness and sponginess which may cause uneven or poor surface texture
- Reduces plastic shrinkage cracking and wind crusting on flat-work
- Allows lower water content in concrete mix since **SPRAY FILM** eliminates the need to add extra mixing water to the mix to compensate for rapid evaporation during finishing

- Keeps the surface plastic and finishable for a longer time

TECHNICAL DATA

SPRAY FILM meets the standards for a monomolecular film as recommended in the following American Concrete Institute publications:

- | | |
|---------|---|
| ACI 302 | Guide for Concrete Floor and Slab Construction |
| ACI 308 | Standard Practice for Curing Concrete |
| ACI 305 | Recommended Practices for Hot Weather Concreting |
| ACI 345 | Standard Practice for Concrete Highway Bridge Deck Construction |

MIXING AND ESTIMATING GUIDE

SPRAY FILM is supplied in a highly concentrated form and must be diluted prior to use. One (1) gallon of **SPRAY FILM** should be mixed with nine (9) gallons of clean water to make ten (10) gallons of evaporation retarder. These ten gallons should cover from 2,000 to 4,000 square feet of fresh concrete. Under severe conditions, more than one application of **SPRAY FILM** may be required.

PACKAGING

SPRAY FILM is available in 1 gallon (3.7 L) cans packed 4 per case and 5 gallon (18.9 L) pails.

DIRECTIONS

Apply using a typical garden type sprayer or power spray equipment. A slotted of fan tip nozzle with a 0.010 - 0.018 tip is recommended. **SPRAY FILM** is applied as a fine mist which forms a temporary barrier on the surface of green concrete. The film is similar to a thin layer of cellophane. **SPRAY FILM** applications should not be excessive or to the point of creating puddles.

It is best to apply **SPRAY FILM** on the bleed water or at the time when bleed water would normally be present. Reapply when conditions warrant.



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SPRAY FILM may be applied to fresh concrete prior to the application of a dry shake hardener and following the dry shake spreading procedure. Discontinue Spray Film application as the dry shake hardener takes initial set.

SPRAY FILM is compatible with all ChemMasters repair mortars. It can be applied on these patching materials as needed.

SPRAY FILM is a finishing aid. It does not replace the need for proper curing procedures.

CLEANUP

Clean tools and equipment with soap and water.

STORAGE

Keep from freezing. Store tightly closed containers at 40°-75°F (4°-24°C) in dry area. Shelf life of properly stored material is one year from date of manufacture.

LIMITATIONS

- **SPRAY FILM** is not a curing compound
- Do not apply **SPRAY FILM** to hardened concrete as staining may occur. If spilled flush with water.
- Only apply **SPRAY FILM** as a light mist. Do not allow material to puddle.

CAUTIONS

USE WITH ADEQUATE VENTILATION. May cause skin and eye irritation. Do not take internally. Keep out of reach of children.

All label precautions and the MSDS must be fully understood before using this product.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT

We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.