

INTRAFILM

Reactive Colloidal Silica Densifier & Finishing Aid



DESCRIPTION

INTRAFILM is a reactive colloidal silica densifier and finishing aid that lubricates freshly placed concrete for faster and easier finishing and prolonged workability in adverse conditions, such as high temperatures, high wind or low humidity.

The reactive colloidal silica in INTRAFILM reacts during hydration to create concrete slabs with higher density, improved durability, and lower maintenance requirements.

Uses

- Warehouse and Industrial Flatwork
- Interior & Exterior Parking Structures
- Institutional Office Buildings
- Stadiums, and Arenas, colored concrete
- Aids Application of Dry Shake Hardeners
- Aids in finishing low bleed micro-silica concrete

BENEFITS

- Prolongs workability of the concrete surface in hot, humid, dry, and windy conditions.
- Facilitates application of dry shake hardeners
- Increases the workability of the concrete without impacting the water/cement ratio
- Lubricates concrete surfaces and reduces trowel and equipment wear
- Improved impact and abrasion resistance
- Helps retain moisture in the slab for curing and reduces curling and shrinkage
- Minimizes checking, crazing, and scaling
- Low VOC content (<50 g/L)
- Reduced potential for alkali silica reaction (ASR)
- Facilitates easier finishing with silica fume, Type 1L cement and air-entrained concrete mixes
- Reduces efflorescence and dusting for lower maintenance requirements over the life of the slab

MIXING INSTRUCTIONS

INTRAFILM is available in a ready to use (RTU) formula and a concentrate to be diluted with water. Contents should be stirred or shaken vigorously prior to use to eliminate any settling which may occur upon storage or shipping.

The concentrate version should be diluted by mixing 1-part concentrate to 4-parts clean, potable water and stir or shake until mixture is uniform. Pour INTRAFILM directly into sprayer.

APPLICATION

INTRAFILM is designed for use during the floating and troweling stages of concrete placement.

Use a clean, hand-pump tank-type sprayer with a low-pressure tip to distribute the product evenly. Lightly mist INTRAFILM over entire surface to be treated and immediately follow with screeding, floating, troweling, or other finishing procedures.

APPLICATION (con't)

INTRAFILM can also be applied through the water tanks on a ride-on trowel.

Re-apply INTRAFILM to any localized areas where the concrete has begun to prematurely dry.

Can be applied both before and after dry shake hardeners to allow surface moisture time to wet-out the dry-shake.

COMPLIANCE/STANDARDS

VOC Compliant
South Coast Air Quality Mgmt District Compliant
USDA accepted

COVERAGE

Surface Coverage based on RTU formula:

Finishing Aid: 500 to 1000 square feet per gallon

Concrete Densifier: 250 to 500 square feet per gallon

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity, and weather conditions will determine actual coverage rates.

TECHNICAL DATA INFO

Composition and materials:

A colloidal silica-based mineral dispersion in water

Appearancemilky white liquid

VOC Compliant.....< 50 g/L

Product ph.....8.0-9.0

CLEANING

Clean tools and spills with soap and warm water before the material dries

PACKAGING

INTRAFILM is packaged in 275 gal totes, 55 gal. drums, 5 gal. pails, and 1 gallon jugs (4-1gal per case)

SHELF LIFE

Shelf life of INTRAFILM in the original tightly closed containers is two years from date of manufacture.



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LIMITATIONS

- KEEP FROM FREEZING.
- INTRAFILM does not replace curing procedures.
- Do not store below 40°F or above 80°F (26.7°C).
- Do not allow to pond or puddle on the surface. Over application can cause concrete hazing/cloudiness to occur.
- Do not exceed 250 square feet per gallon when applying multiple times or in combination with other colloidal silica treatments

PRECAUTIONS

DO NOT CUT OR WELD CONTAINER INDUSTRIAL/PROFESSIONAL USE ONLY PROTECT FROM FREEZING

Keep out of reach of children. Do not take internally. Avoid prolonged contact with skin. If swallowed, call a physician. Wear rubber gloves, goggles, and protective clothing. Additional precautions, safety information and first aid are contained in the Safety Data Sheet.

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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