



Monofilm ER

Evaporation Control, Monomolecular Film

DESCRIPTION

Monofilm ER is a concentrated monomolecular film designed to reduce rapid moisture loss from concrete surfaces prior to the curing application. Concrete treated with **Monofilm ER** will remain easier to finish and exhibit a higher resistance to shrinkage cracking and carbonation than untreated concrete.

USES

Monofilm ER is ideal for use when the concrete surface moisture loss is in excess of the bleed rate of the concrete. **Monofilm ER** is especially effective in high wind, low humidity, direct sunlight and heated indoor conditions. **Monofilm ER** can be used when pouring concrete flatwork, floors, highways, pavements, toppings, parking decks, dry shake flooring and modified concrete.

BENEFITS

- Reduces surface moisture loss to improve concrete quality during hot, windy conditions
- Labor Savings: Less finishers needed
- Can aid in eliminating shrinkage cracking, checking and crusting of freshly poured concrete
- Allows for the use of lower water ratio in mix designs
- Eliminates the need for additional mix water as an aid for moisture loss during the finishing process
- Will not affect the adhesion of curing compounds or subsequent coatings

COVERAGE

Monofilm ER can be used at various dilution rates. When used as a concentrate, 1 gal of **Monofilm ER** should cover approximately 200–400 ft² of fresh concrete. 1 gal of **Monofilm ER** mixed with 9 gal of water yields 10 gal of sprayable solution. This diluted amount of **Monofilm ER** (1:9) should cover 2,000–4,000 ft² of fresh concrete. Actual rates may vary depending on atmospheric conditions.

MIXING

For best results, mix thoroughly before each use. Do not over agitate or use high speed mixing equipment. **Monofilm ER** concentrate can be mixed at a ratio of 9 parts water to 1 part **Monofilm ER** concentrate for normal conditions and 5 parts water to 1 part **Monofilm ER** concentrate for extreme conditions. Blend the concentrate separately, then agitate with clean, potable water.

PHYSICAL PROPERTIES

VOC	0 g/L
Appearance	Fluorescent Yellow
pH	8.3
Specific Gravity	1.1
Density	8.3 lbs/gal

PLACING

Apply material to concrete upon the completion of the screeding or between finishing operations as needed. Apply evenly with a fine mist. Concrete treated with **Monofilm ER** is distinguished from untreated concrete with a yellow tint. The yellow tint will disappear upon drying of the concrete surface. This material will not inhibit bonding or alter color. Concrete treated with **Monofilm ER** should be cured in accordance with ACI recommendations. A membrane forming curing compound such as **US SPEC Maxcure Wax White** or **US SPEC Maxcure Resin Clear** is effective.

STORAGE

Protect from freezing. Store material in an interior, cool, dry place above 40°F (4°C). Shelf life is 18 months in original, unopened container.

CLEAN-UP

Clean tools and equipment with warm soapy water. After material has dried, it may be necessary to use solvents such as mineral spirits, toluene or xylene.

LIMITATIONS

In addition to the limitations already mentioned, please note the following. **Monofilm ER** is not recommended for use as a concrete curing compound. Do not apply to hardened concrete. If **Monofilm ER** is accidentally spilled on hardened concrete, wipe immediately and flush with clean water. **Monofilm ER** is not designed to be worked into the concrete as part of the finishing operation.



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CAUTION

Wear protective gloves and eye/face protection. Wash with plenty of water and soap thoroughly after handling. Avoid inhalation of vapors. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area.

FIRST AID

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: call a poison center or doctor/physician. If swallowed: contact a poison control center/doctor if you feel unwell. Rinse mouth. If on skin: wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice. Take off contaminated clothing and wash it before reuse.

MANUFACTURER/TECHNICAL SERVICE

Contact your US SPEC manufacturer's representative for the most current product information. Always read and follow the warnings and instructions on the most current technical data sheets, available online at www.usspec.com.

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112 South Santa Fe Drive
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NOTICE OF LIMITED WARRANTY US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price. See product packaging for complete limitation of warranties and liability.