

MB-429

High efficiency curing and sealing compound for concrete

DESCRIPTION:

Specially formulated for spray-on application, MB-429 concrete curing and sealing compound helps ensure that maximum strength and greater wear resistance are achieved. This product meets the moisture retention requirements of ASTM C 309, "Specification for Liquid Membrane-Forming Compounds for Curing Concrete" when applied at 350 ft²/gallon (8.6 m²/liter).

FEATURES/BENEFITS:

- Cures and seals in one application
- Can be applied to both horizontal and vertical concrete surfaces, smooth or textured, indoors or outdoors
- Efficient curing properties help increase concrete durability
- When used as a sealer on existing plain concrete floors, this product reduces dusting, making sweeping and cleaning easier
- Can be stored at temperatures below 32 °F (0 °C)

RECOMMENDED FOR:

- Curing plain, non-colored, non-architectural concrete surfaces
- Curing floors finished with natural-colored MASTERPLATE®, MAXIMENT® and MASTERCRON® surface hardeners
- Use on ANVIL TOP® toppings
- Use on EMBECO® and MASTERFLOW® grouts

NOTE: MB-429 curing and sealing compound is compatible with most asphalt, vinyl, vinyl asbestos and rubber tile adhesives. However, it is strongly recommended that a test for compatibility between MB-429 compound and the particular adhesive involved (including those used on the carpet or the backing itself) be made **before** application.

PACKAGING/ESTIMATING:

MB-429 concrete curing and sealing compound is packaged in 5 and 55 gallon (19 and 208 liter) steel drums.

Although coverage depends on the texture and porosity of the surface, maximum recommended coverage for effective curing and aesthetic considerations is 350 ft²/gallon (8.6 m²/liter).

When applied at a rate of 350 ft²/gal (8.6 m²/liter), MB-429 will meet ASTM C 309 with water loss at 0.31 kg/m². ASTM C 309 sets a limit of 0.55 kg/m² in 72 hours at 200 ft²/gal (4.9 m²/liter) coverage.

APPLICATION:

Using a garden-type sprayer, industrial sprayer or roller, apply MB-429 compound uniformly to the concrete surface. Do not overlap applications. Do not add a thinner.

NOTE: When first applied, the compound has a temporary mirror-like sheen which visually helps the applicator obtain uniform coverage of all areas.

For initial curing, apply immediately after the exposed surface has hardened so as not to be marred by the application. (This is especially important in warm or hot temperatures.) In the case of formed surfaces, apply to vertical surfaces as soon as forms are stripped.

NOTE: Quick drying occurs in areas exposed to wind, excessive heat, sun, etc. Therefore, it is important that if the surface has dried out, it should be wet down before the application of MB-429 curing and sealing compound. The surface should be saturated, but **FREE** of standing water. **Do not apply MB-429 compound while free water remains on the surface.**

When on concrete subjected to water saturation and brilliant sunlight at the same time, MB-429 compound will turn opaque gray and become chalky. However, curing efficiency is not impaired.

If a second **thin** application is required for aesthetic purposes, the first coat must be thoroughly dry before the second coat is applied.

Drying time is approximately one to three hours at 70 °F (21 °C). When dry, the treated surface is non tracking.

For cleaning this compound from spray equipment or rollers, use solvents (KB 80 or higher) such as aromatic naphtha xylene or toluene. These solvents are flammable so proper caution should be used, including adequate ventilation.

LIMITATIONS:

- DO NOT USE:
 - Where it is known in advance that the curing compound must be removed at the end of the curing period.
 - For curing and sealing colored concrete.
 - Where architectural concrete or static-disseminating floors are involved.
 - As a bond breaker (For compatibility with bond breaker products, consult the bond breaker manufacturer).
 - Where bond to subsequent concrete placements is required.
 - Over industrial floor waxes. Industrial floor waxes, oil and grease must be **completely removed** prior to applying MB-429 curing and sealing compound.
 - Where the surface will be exposed to the ultraviolet rays of the sun.
- When using re-applications of this compound for maintenance purposes, the surface should be thoroughly cleaned—free of dirt, oil or any other type of surface contamination—and allowed to dry prior to application.
- Always avoid thick or uneven applications of MB-429 curing compound because they may cause the surface to have a mottled appearance.
- MB-429 compound is combustible, therefore keep it away from heat and flame.
- Use only with adequate ventilation.
- Avoid prolonged contact with skin or breathing of vapors.
- Keep container tightly closed at all times when product is not in use.

RELATED BULLETINS:

Material Safety Data Sheet – MB-429

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