



Concrete Admixtures and Fiber

IMICOTE

100% Solids High Build Self Leveling Epoxy Coating

DESCRIPTION

IMICOTE is a 100% solids, self leveling, two component, epoxy coating used to protect and seal concrete, steel and other structural materials for both interior and exterior applications. IMICOTE's thin, easy to apply consistency is ideal for sealing or topping damaged or existing concrete surfaces. IMICOTE combines excellent wear resistance with superior chemical resistance in a seamless flooring system.

USE

IMICOTE is specifically formulated to protect and seal concrete, steel and masonry. Use IMICOTE in auto/truck repair facilities, manufacturing, industrial or processing areas to protect surfaces from general chemical attack. Mix IMICOTE with various aggregates to create a semi-self leveling high strength epoxy mortar for patching or overlays.

ADVANTAGES

- Excellent durability and adhesion
- Strong abrasion resistant coating
- Tough, impact resistant coating
- V.O.C. compliant/solvent free/low odor
- Excellent tensile strength
- Moisture insensitive
- High Build Capabilities
- Tough semi-gloss appearance
- Available in six attractive colors

APPLICATION

Surface Preparation

Surfaces must be clean and sound. Remove all dirt, laitance, grease, curing compounds and other foreign matter by sandblasting, mechanical abrasion or acid etching. Remove water and dust from all surfaces with an oil-free air blast immediately prior to application and allow to thoroughly dry.

INTERNATIONAL MATERIALS INDUSTRIES, L.L.C.

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Mixing Instructions

Condition the temperature of IMICOTE to 65°-85°(18.3-29.4°C) at time of mixing to facilitate blending. Stir each component separately before blending. Pour the pre-blended Part B into an appropriate mixing pail then add the preblended Part A. Thoroughly mix two parts of Part A with one part of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle. Application: To maximize the work life of the mixed epoxy, Immediately pour the epoxy on to the floor to be coated. A notched trowel or IMI notched squeegee can be used to uniformly spread the epoxy for floor applications. Use a IMI spiked roller or brush to back-roll the epoxy to its desired finish. Contact IMI for Application Accessories. IMICOTE can be applied by notched trowel, brush or roller depending on the application. Two coats are recommended for optimum chemical resistance. An application rate of 100-200 sq. ft. per gal.(2.5-4.9 m2/L) will yield an 6-13 mil coating respectively. A second coat must be applied within 24 hours to achieve adequate adhesion between coatings and to avoid additional surface preparation. To provide a skid resistant surface, a base coat of IMICOTE should be applied and a clean dry aggregate (silica sand) broadcast into the tacky base coat to the desired profile or texture. Once the base coat has cured, broom away any loose aggregate and apply a thin top-coat of IMICOTE to encapsulate and seal in the aggregate. Seven day cure time is required to reach maximum performance. Trowel-Down Epoxy Mortar/Topping: After mixing IMICOTE to a uniform color, slowly add 150 to 180 lbs. (68-81.6kg) of clean, dry sand. Blend until sand is thoroughly wetted and dispersed. Use IMICOTE neat to prime the surface. Apply mortar to the prepared surface with a trowel.

APPLICATION PROPERTIES

Mix Ratio	2:1 by volume
Viscosity (mixed)	1000 cps (approx)
Pot Life (200 gr.)	40 minutes
Tack-Free To Touch	4-5 hours
Initial Cure	24 hours
Final Cure	7 days
Application Rate	100-200 ft2/gal. (2.5-4.9 m2/L)
Colors	Gray/Black/Red/Green Beige/Dark Gray

Cured Properties

Slant Shear Bond Strength (ASTM C-882)	1500 psi min. (10.3 MPa)
Tensile Strength (ASTM D-638)	6000 psi min. (41.3 MPa)

PACKAGING Unit Sizes: 3 Gallon (11.6 L) 15 Gallon (57 L) 165 Gallon (627 L)

LIMITATIONS

New concrete must be at least 28 days old. Temperature of substrate must be above 50° F(10°C). Do not thin IMICOTE. Do not apply to exterior slabs on grade. IMICOTE is a vapor barrier and should not be applied to surfaces exhibiting moisture vapor transmission. Avoid high temperature cleaning (i.e. steam) to prevent thermal shock and possible delamination.

STORAGE

(12) months in unopened, damage-free containers. Condition material to 65-85°F(18.3-29.4°C)before using. IMICOTE should be stored in a dry environment between 50-90°F(10-32.2°C). Under these conditions, the shelf life is twelve

