

IG-9500

HIGH PROFILE – 100% SOLIDS EPOXY
ANTI-SLIP ADHESIVE COMPOUND

DESCRIPTION

IG-9500 is a two-component zero V.O.C. (volatile organic content), epoxy adhesive compound with silicon carbide granules for antislip protection in wet slippery environments. Use for steps, stairs, decks, runways, loading areas and ramps. Conforms to the following specifications: US Navy Drawing 2587984, US Army Drawing 12308492, 12308493.

IG-9500 is suitable for marine and industrial environments while being easy to apply. Its low odor characteristic makes it suitable for odor sensitive applications such as wineries, food processing facilities, hospitals and confined areas. It adheres to metal, concrete and wood surfaces.

IG-9500 has excellent chemical resistance to oil, gasoline, mild acids &, caustics, hydraulic fluids and most solvents.

SURFACE PREPARATION

IG-9500 must be applied to only clean dry surfaces. Remove old loose and flaking paint, rust, loose debris by mechanical means. Remove oil, grease, dirt, wax, etc. with a water-based cleaner/degreaser. Metal surfaces should be roughened or grit-blasted to SA 2.5 (near white metal) or SSPC-SP10. Where grit-blasting is not feasible power tool cleaning utilizing power sanders fitted with #16 grit aluminum oxide sanding discs can produce a sufficiently clean surface. Can be applied directly to prepared metal surfaces or can be primed with **IG-Metal Primer**.

Concrete and Wood should be primed using **IG-Porous Surface Primer** to seal the surface. New Concrete surfaces should be allowed to cure for 30 days.

PROPERTIES

VOC

- 0 lbs per gallon
(0 grams/ liter)

Volume Solids

- 100%

Mix Ratio

- By Volume 4:3
- By Weight 2:1

Dry Through for Traffic

- 24 hours @ 70°F (21°C)
- 72 hours @ 41°F (5°C)

Estimated Coverage

- 50-100 sq.ft./gal.

Weight per Gallon

- 10.3 lbs./gal.

Flash point

- >200°F (93.3°C) -CC

Coefficient of Friction

- Dry – 1.1
- Wet – 1.0

Packaging

- 1 or 5 Gallon Cans

Standard Colors

Black

APPLICATION

1. Mixing should be done with a mechanical mixer such as a pneumatic drill motor with a Jiffy mixing blade. Pre-mix the base component for several minutes making sure all material is lifted off the bottom and uniformly mixed. Pour entire contents of hardener can into base material. Mix thoroughly as above for 3-5 minutes until contents are a uniform consistency and color. A one gallon kit has a working pot-life of about 50 minutes at 77°F. Pot-life increases at lower temperatures and decreases at higher temperatures.
2. **IG-9500** can be applied at surface temperatures between 40°F and 120°F. Application below 40°F is not recommended as material may become difficult to apply.
3. **IG-9500** can be applied by roller, trowel or spray equipment.
4. If required, a thinned second coat of epoxy can be applied over the carbide granules. This should be done after 4-8 hours using the resin and hardener mixed 1:1 with a suitable thinner such as xylene, then applied at a wet film thickness of 4 mils as a sealer.

BRUSH & ROLLER

Do not thin. Use a short nap solvent resistant roller and spread product evenly over the substrate

1. Use even strokes and spread to a uniform thickness of 16-25 mils.
2. Immediately broadcast and scatter the carbide granules uniformly into the surface. Coverage should be about 1/8 lb or 2 ounces per sq.ft.

It is important that the non-slip aggregate is always exposed. If aggregate is not properly exposed, the coating may become slippery when wet. Do not over-roll after broadcasting aggregates. Make sure that coating is even without any thick puddles. Drying time will vary with temperature. Protect exterior applications from rain for at least 12 to 24 hours. For full cure, protect application from extended exposure to water, oil and chemicals for 5 to 7 days.

SPRAY

Sprayed applications will result in a uniform appearance with good non-slip characteristics. **IG-9500** may be sprayed with suitable spray equipment. To adjust spraying material, it may be thinned with 1 to 3 pints of xylene per 5 gallons of material. This will increase the V.O.C. 20 grams per liter for each pint of solvent. Care must be taken not to excessively thin material or exceed local VOC regulations when thinning. Consult with your equipment manufacturer.

TROWEL OR SQUEEGEE

1. **IG-9500** may be applied with a smooth trowel such as a flexible plasterer's finishing trowel or squeegee. Use a trowel about 4 by 12 inches.
2. Pour a "strip" of **IG-9500** on the surface approximately 2' long and 6" wide.
3. Hold the trowel at a 45° angle to the surface and spread with a full motion. Reverse the angle of the trowel for an opposite stroke. Pull the material toward you. To cover corners, etc. pull straight strokes using material on the trowel. Broadcast granules as noted earlier.

Surface Maintenance

IG-9500 should be kept clean to ensure that its non-slip safety aspect is maintained. Clean with an all-purpose cleaner/degreaser. Scrub the anti-slip surface with a thick bristled brush or floor machine. Rinse with clean water and let dry. **IG-9500** is extremely durable, however, frequently traveled areas may require occasional touch up.

CAUTION

Read Material Safety Data Sheet before using this material.

Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame.

Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Toxic material. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. Discard contaminated shoes. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately.

The user of this product is responsible for making its own evaluation and tests regarding the capabilities, safety, utility, suitability and application of the product, and assumes all risks and liabilities resulting from the use or application of the product, whether used alone or with other products. The COMPANY warrants only that the product conforms to the specifications contained in product Technical Data Sheets published by the COMPANY, a copy of which is available to the user. If the product fails to conform to this warranty, the user shall return the product within 10 days of the purchase date with a note specifying the defect and the COMPANY will either replace the product or at its option, return the purchase price. EXCEPT AS EXPRESSLY PROVIDED IN THIS PARAGRAPH, THE COMPANY MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND HEREBY DISCLAIMS THE SAME. In no event shall the COMPANY be liable to the user of this product, whether in contract or in tort or under any other legal theory (including, without limitation, negligence), for damages which exceed the purchase price of the product, or for any indirect, incidental, consequential or similar damages, arising out of sale, use or application of the product, or for any claim made against the user by any other party, even if the COMPANY has been advised of the possibility of such claim.