



# MIL-W-5044-T2

LOW VOC - NON-ABRASIVE WINGWALK  
NON-SLIP FLOOR AND DECK COATING

Meets MIL-W-5044 Type II & CID A-A-59166

## DESCRIPTION

**MIL-W-5044 Type 2** is a one-component, brushable, non-abrasive anti-slip coating (with grit) formulated to be fast drying and low VOC. Contains renewable resources over 30%, silica free, and non-haps. It adheres to metal surfaces and provides non-slip protection for aircraft walkways, rolling equipment and personnel. **MIL-W-5044 Type 2** contains non-abrasive non-sparking aggregates that will not scratch or damage underlying metal surfaces. This coating is easy to apply and adheres to metal, wood, and fiberglass surfaces.

**MIL-W-5044 Type 2** is resistant to jet blast, most acids, alkalies, solvents, grease, oil, salt water, detergents, alcohol, gasoline, jet fuels, cellulube and other hydraulic fluids.

## SURFACE PREPARATION

**MIL-W-5044 Type 2** may be used directly over most metal surfaces. Best results are obtained when used over a primer. Metal and Fiberglass surfaces may be primed with **IG- Metal Primer**. Surface must be clean and dry. Remove old loose and flaking paint, rust and loose debris by mechanical means. Metals should be cleaned to remove oil, grease, dirt, wax, etc. with one coat of wash primer conforming to MIL-C-8514. Apply in accordance with MIL-C-8507. The metal can then be primed or the coating applied directly to the metal.

## PROPERTIES

### Environmental Properties

- VOC - 2.08 lbs per gallon (250 grams/ liter )
- Renewables 34%
- HAPS free and Silica free

### Volume Solids

- 62%

### Dry Time for Recoating

- 1/2 hour @ 70°F (21°C)

### Dry Through for Traffic

- 6 hours @ 70°F (21°C)

### Full Hardness

- 24 hours @ 70°F (21°C)

### Estimated Coverage

- 50 sq.ft./gal. – brush

### Weight per Gallon

- 10.8 lbs./gal.

### Flash point

- 55°F (13°C) -CC

### Coefficient of Friction

- Dry – 0.95
- Wet – 0.85

### Packaging

- 1 or 5 Gallon Cans

### Standard Colors

- Black – Fed Std 37038
- Gray – Fed Std 36231

## APPLICATION

1. Thoroughly mix contents preferably with a mechanical mixer such as a drill motor with a Jiffy mixing blade until mixed material assumes a uniform color and appearance
2. **MIL-W-5044 Type 2** can be applied at surface temperatures between 50°F and 120°F. Application below 50°F is not recommended.
3. **MIL-W-5044 Type 2** can be applied by brush, roller, trowel or spray equipment.

## BRUSH

Brushed applications are simple to apply. Use uniform strokes to spread the coating. This will result in a uniform appearance with good non-slip characteristics. Drying time will vary with temperature.

## SPRAY

Sprayed applications will result in a uniform appearance with good non-slip characteristics.

**MIL-W-5044 Type 2** may be sprayed with spray equipment using a 1/8 to ¼ inch opening spray tip.

Various sprayers is available for grit containing coatings. Consult with your equipment manufacturer.

## TROWEL

1. **MIL-W-5044 Type 2** may be applied with a smooth trowel such as a flexible plasterer's finishing trowel. Use a trowel about 4 by 12 inches.
2. Pour a "strip" of **MIL-W-5044 Type 2** 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.

## Surface Maintenance

**MIL-W-5044 Type 2** 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. Rinse with clean water and let dry. **MIL-W-5044 Type 2** is extremely durable, however, frequently traveled areas may require occasional touch up.

### CAUTION

Read Material Safety Data Sheet before using this material.

Contains Solvent. 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.