

Wearlon® 4545.76 MR

- All Purpose Anti-Stick Coating -
APPLICATION GUIDE AND TECHNICAL INFORMATION
Meets EPA, USDA, And FDA 21 CFR 175.300 Requirements

Surface Preparation

Wearlon® 4545.76 is a silicone-epoxy coating having unique release properties while adhering to a broad range of substrates including wood, concrete, fiberglass, metals, and most plastics including epoxies, polyurethanes, and alkyds.

For improved adhesion **Wearlon® 4545.76** can be applied to treated surfaces as follows: (Steel: SSPC 10. Aluminum: SSPC 7. Fiberglass: 80 grit sand. Concrete: 28 day minimum cure and power wash using acid etch or shot blast.)

Mixing Instructions

Before mixing, shake or stir each component until homogenous. Wearlon® 4545.76 is a 2 component product packaged in 1 Gallon and 5 Gallon kit which contains the proper ratio of ingredients. The entire contents of each container should be mixed together.

For quantities less than the pre-packaged kit, mix as follows: To **11 parts** of the **A** component, mix in **2 parts** of the **B** component. Mix the **A** and the **B** until completely blended. **NO INDUCTION PERIOD NECESSARY...**Spray or Roll immediately.

Thinning and Clean up

In most cases it is not necessary to thin **Wearlon® 4545.76** to obtain coating thicknesses of 1 or more mils. For applying thinner coats such as with clear coatings to prevent tacky adhesives from sticking to substrates or as a mold release you may find it necessary to thin **Wearlon® 4545.76**. Refer to data sheet on **Speed Coat-49** for additional instructions for applying thin coatings. Clean all equipment as soon as the application is complete.

Application and Recoating

Product can be rolled, brushed or sprayed. For best results, spray **Wearlon® 4545.76** with airless spray equipment for a 3 to 4 mil dry, or 6 to 8 mil wet coating. Allow to cure at least 24 hours and ideally one week at room temperature before putting into service. Do not coat products at surface temperatures below 40°F and relative humidity above 90%. **Wearlon® 4545.76** cures at room temperature, however to speed up curing and to obtain the best abrasion, apply on a warm substrate or post heat at an elevated temperature at least 8 hours after application. Conventional spray equipment works well and provides a slight orange peel finish. If the Wearlon surface has become damaged or has excessive wear, then an occasional touch up may be required. This can be achieved by simply spraying 1 to 3 mils of the **Wearlon® 4545.76** over the existing Wearlon surface and allowing it to cure for at least 24 hours prior to putting it back in service. If poor wetting occurs while applying subsequent Wearlon coatings then sand lightly with a Scotch Bright pad, wipe off dust with a dampened Acetone rag and then reapply **Wearlon® 4545.76**.

Shelf Life: 1 Year **Storage:** DO NOT FREEZE

Coating Type

Silicone/epoxy waterbased **Color:** Various (contact WEARLON® representative)

Pot life: 60 min. @ 68°F **Induction Time:** None **Solids:** by Weight 49% **Coverage**

Rate: Approx. 200 sq. ft. @ 3-4 mil DFT (85% Yield) **Tensile Strength:**>1750psi

Elongation: ASTM 2370>5% **Adhesion:** ASTM D451>1000psi **Abrasion:** (CS 17/Kg/1000 cycles) <40 mg loss **Cure**

Time: Complete in 5 days. Dry to the touch in 2 hours. Force cure 300°F for 30 min. Many applications can be returned to service the next day. **VOC:** ASTM 3960-0.5#/gl. **Heat Resistance:** Do not exceed 275°F continuous service

CAUTION: Wearlon® surfaces have a low coefficient of friction and therefore tend to be slippery.

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