

## OVERVIEW & FEATURES

Tread-Shield Top Coat VOC is a high-performance, two component VOC compliant, polyester/aliphatic polyurethane floor sealer. It is available in an assortment of colors (white, off white, light gray, medium gray, tile red, beige, and clear). This unique formulation exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering and UV stability.

Tread-Shield Top Coat VOC is recommended for auto service centers, warehouses, computer rooms, laboratories, aircraft hangars, cafeterias, exterior tanks, indoor or outdoor service areas and as a polyurethane top coat over Tread-Shield flooring systems.

**UV Resistant** - The UV resistant formulation makes this product an excellent candidate for applications where high intensity lighting, sunlight or fluorescent lights have discolored existing coatings.

## APPLICATION

**Product Storage** - Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60° F and 90° F (16° C and 32° C).

**Surface Preparation** - All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate.

**Product Mixing** - This product has a 2:1 mix ratio by volume. Mix 2 gallons of Part A with 1 gallon Part B. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Avoid whipping air into the coating. Improper mixing may result in product failure.

**Product Application** - Tread-Shield Top Coat VOC can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. It is best to maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marking during application. Too thick of an application may result in product failure. Exposure to certain types of lighting such as sodium vapor lights may cause the product to discolor. Applications with relative humidity higher than 90% and/or poor air circulation may cause improper cure and surface tackiness.

**Clean Up** - Use ketone solvents.

**Floor Cleaning** - Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

## PRECAUTIONS

- Use with adequate ventilation.
- Skin or eye exposure or inhalation can result in serious medical problems
- Workmen should wear gloves or protective creams; If skin contact occurs, wash at the first opportunity with soap and water.
- Avoid contact with eyes, skin and clothing; In the event of eye contact, immediately flush eyes with plenty of water. Call a physician.
- Keep out of the reach of children.
- For industrial use only.
- Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

# TREAD-SHIELD® TOP COAT VOC



Technical Data	Tread-Shield TC VOC (Clear)	Tread-Shield TC VOC (Pigment)
<b>Non-Volatile Content</b>		
% by Weight	64	73
% by Volume	60	70
<b>VOC</b>	<335 g/l mixed	<335 g/l mixed
<b>Recommended Film Thickness</b>		
Wet	3-5 mils	3-5 mils
Dry	2-3 mils	2-3 mils
<b>*Working Time @ 70°F (21°C)</b>	A 1.5 gallon mixed unit left undisturbed will harden in 2-4 hours	A 1.5 gallon mixed unit left undisturbed will harden in 2-4 hours
<b>*Set Time @ 70°F (21°C)</b>		
Tack Free	3-5 hours	3-5 hours
Recoat or Topcoat	not recommended	not recommended
Light Foot Traffic	14-24 hours	14-24 hours
Full Cure	3-5 days	3-5 days
<b>Coverage</b> (per gallon)	320 to 500 ft <sup>2</sup> (29.73 to 46.45 m <sup>2</sup> )	320 to 500 ft <sup>2</sup> (29.73 to 46.45 m <sup>2</sup> )
<b>Packaging (Kit)</b>	3 gallon (11.4 l) 15 gallon (56.8 l)	3 gallon (11.4 l) 15 gallon (56.8 l)

CAUTION! Some cleaners may affect the color of the floor installed. Test each cleaner in a small, area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

\* Time varies depending on air temperature and humidity.

For specific recommendations and coverage rates, please contact your local Garland Representative.

For more information, visit us at: [www.garlandco.com](http://www.garlandco.com)

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ±10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.