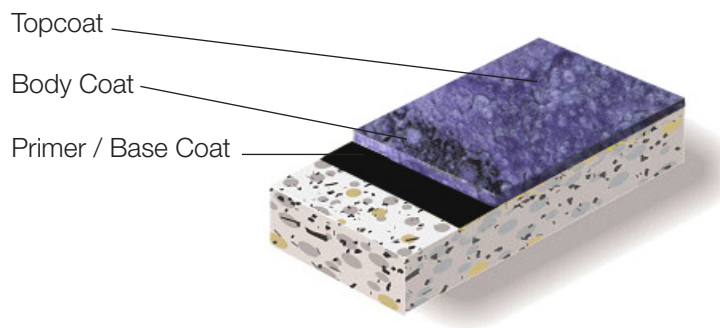




Trafficote™ MCP Flooring System

General Polymers TRAFFICOTE MCP FLOORING SYSTEM combines select resins with metallic pigments to create durable floors that provide decorative value. The metallic pigments are nano-sized particles that when mixed with the clear resins disperse into unique patterns and provide an iridescent and pearlescent look that can be unique to each installation.



Thickness .75 - 1.0 mm

Advantages

- Acceptable for use in USDA inspected facilities
- Seamless, easy-to-clean and maintain
- Durable, wear and slip resistant
- Chemical and stain resistant
- Customizable color
- Natural stone appearance
- Cost effective versus carpet or tile
- Field blended
- LEED® Points IEQ Credit 4.2, meets SCAQMD

Uses

- Hotels and Lobbies
- Show Rooms, Dance Halls
- Corridors
- Retail and Restaurants
- Healthcare Facilities and Labs
- Restrooms, Locker rooms
- Arenas, Sport Complexes

Typical Physical Properties

Choice of 50 pigments

Hardness @ 24 hours, Shore D ASTM D 2240	70/65
Tensile Strength ASTM D 638	6,000 psi
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	18.5 mgs lost
Adhesion ACI 503R	300 psi concrete failure
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft. lbs without cracking, delamination or chipping
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the **TRAFFICOTE MCP FLOORING SYSTEM**. Contact the Technical Service Department for assistance prior to application.

Surface Preparation – General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

Surface Preparation – Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

Trafficote MCP is a smooth system, substrate imperfections must be corrected or they can reflect through the system. After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Technical Service Department.

Temperature

Throughout the application process, substrate temperature should be 50°F – 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

Application Information – Surface Prep Profile CSP 3

If Moisture Remediation is required CSP-4

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
If Moisture Remediation is required - See AquArmor™ MCS System Bulletin					
<100 g/L	Primer / Base Coat	3746 (Pigmented) pre-measured units	2:1	160 sq. ft./gal	3 or 15 gals
<100 g/L	Body Coat	3746 (Clear) pre-measured units Metallic Pigment***	2:1 4-8 fluid oz.	80-100 sq. ft. 4-8 fluid oz. / mixed gallon	3 or 15 gals
<100 g/L	Topcoat	4686**	1:1	275-400 sq. ft./gal	2 or 10 gals

**For additional non-skid add 5240 220 mesh Aluminum Oxide or 5190 Non-Skid Additive

***The pigment load of 4-8 oz/gal can vary depending on color

For additional topcoat options consult the General Polymers Topcoat Selection Guide, or contact your Sherwin Williams representative.

Primer / Base Coat - Pigmented

Mixing and Application

1. Premix 3746A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 3/8" nap roller at a spread rate of 160 sq. ft. per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.
4. Allow to cure for a minimum of 12 hours but no more than 24 hours before applying Body Coat.

Note: For best results use black or white to highlight the metallic pigments.

Body Coat - Clear

Mixing and Application

1. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
2. Add metallic pigment @ 4-8 fluid ounces per mixed gallon. NOTE: product can be very translucent when using lighter pigments.
3. Apply 3746 via notched trowel/squeegee or roller at 80-100 feet per gallon. Multiple mixes/colors are typically applied at the same time; in parallel lines, on top or into each other to create a random or mottled effect. Various techniques and or tools can be used to further impact the finished color and create a unique look.
4. Allow to cure a minimum of 12 hrs, lightly abrade the surface with 100-120 grit paper prior to applying the 4686 seal coat.

Topcoat

Mixing and Application

DO NOT PREMIX PART B HARDENER

1. Premix 4686A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 4686A (resin) to 1 part 4686B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4686 using a 1/4" nap roller at a spread rate of 275-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.
4. Allow to cure 12 hours minimum before opening to traffic. In cool and/or high humidity conditions, a surface film may form which can be washed with soap and water.

NOTE - For additional non-skid add 5240 220 mesh Aluminum Oxide or 5190 Non-Skid Additive.

Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

Safety

Refer to the MSDS sheet before use. federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) (10°C - 32°C), and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. Shelf life of material will vary, check individual product data sheet.

Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.generalpolymers.com to obtain the most recent Product Data information and Application instructions.

Warranty

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



To learn more, visit us at

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or call 1-800-524-5979
to have a representative contact you.

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Protective & Marine Coatings 02/17