

PERMASHIELD PREMIUM GRAFFITI CONTROL SYSTEM APPLICATION GUIDE



#5200



#6100



#5600/5650



#9800

OVERVIEW:

The **PERMASHIELD PREMIUM** is the most advanced environmentally friendly Permanent Graffiti Control System. It has a 10-year warranty and is ideal for painted or unpainted concrete, masonry, wood, stucco, aluminum, metal, EIFS, murals, signs etc. The **PERMASHIELD PREMIUM SYSTEM** comes in matte (5° sheen), gloss (90° sheen), clear and colors while boasting an industry leading ZERO-VOC. This system provides the highest level of protection against: stains, chemicals, UV, and hot-tire pick-up while being non-yellowing.

SURFACE PREPARATION:

Unpainted Surfaces:

- Conduct a test patch to ensure proper adhesion and product performance.
- All concrete and masonry should be cured for 30 days and have less than 15% moisture content.
- Wood surfaces should have less than 13% moisture content.
- Remove all efflorescence, grease, glazes, oils, waxes, and contaminants that will inhibit the penetration and/or adhesion of a coating.
 - All debris should be cleaned off prior to application.
- Make sure to caulk, fill, and seal any voids, seams, cracks or areas where moisture can penetrate (allow the paintable filling materials to cure).
- Ensure the roof areas, windows and doors are properly installed and cocked.
- Any repairs necessary should be done prior to the application (allow repair and filling materials to cure).

Painted Surfaces:

- Conduct a test patch over the existing water base paint to ensure proper adhesion and product performance.
 - Oil base paints or glazed surfaces will require 1 coat of **MONOCHEM 21** primer and a thorough test patch. Contact our technical department for more information.
- Remove all loose, peeling, and poorly bonded paint.
- Smooth or glossy surfaces should be sanded to a rough finish.
- Clean the surface by scrub washing with **MONOCHEM CLEAN POWER** or by using a solution of ½ cup of TSP to one gallon of warm water. You can also conduct a light power washing to clean the surface. Pay special attention to ensure

the removal of all efflorescence, grease, dirt, glazes, oils, waxes and other contaminants.

- All debris should be cleaned off prior to application.
- Make sure to caulk, fill, and seal any voids, seams, cracks or areas where moisture can penetrate (allow the paintable filling materials to cure).

Note: Ensure that the existing paint is fully cured before product application begins. This is required because some paint colorants contain raw umber which may cause a graffiti coating to turn slightly amber. Allowing the paint to fully cure minimizes and may eliminate the raw umber affect.

ENVIRONMENTAL CONDITIONS:

- Cementitious surfaces must be below 15% moisture and wood surfaces below 13% for the life of the application. If the substrate's moisture exceeds these tolerances, seals will puncture and coatings will delaminate.
- Make sure horizontal areas have some form of drainage or slope (1/4' per foot) to eliminate ponding.
- Surface and air temperatures should remain between 50° and 90° F during and 3 hours after the application.
- The surface to be coated must be below a pH of 9 or coatings will not perform as intended.
- Rain should not be eminent with 36 hours of the application.
- **Surfaces exhibiting hydrostatic pressure should NEVER be painted until the problem is corrected.**

APPLICATION INSTRUCTIONS:

Prior to beginning your application please read the Technical Bulletins for suggested coverage rates applicable to various substrates. We also require conducting a small inconspicuous test patch before proceeding with the entire project.

AQUASEAL ME12:

- Penetrating silane/siloxane sealer.
- 1 coat recommended.
- Apply **AQUASEAL ME12** to all vertical unpainted/unsealed surfaces.
- Approximate coverage rate: 1st coat: approximately 60-80 sq/ft per gallon.
- Allow the **AQUASEAL ME12** 24 hours of dry time before applying the first coat of **PERMASHIELD BASE**.

Application tips: The first application of **AQUASEAL ME12** is a light fog coat using a low pressure (use <20 psi during application) spray guy with a tip size of .035. This is meant to wet the entire surface and break the surface tension. Then follow it immediately with a flood coat to achieve the maximum penetration (allow a 10 to 12 inch rundown). Back roll the rundowns to maximize the material absorption.

PERMASHIELD BASE: Basecoat – Clear or pigmented.

- Aliphatic polyurethane.
- 2 coats are required on the bare areas.
- Allow approximately 2-4 hours between coats.
- Pinhole free or painted surfaces do not require **PERMASHIELD BASE**.
- 2 to 3 dry mil thickness per coat.
- The coverage rate is approximately 200-250 sq/ft per gallon.
- Apply using heavy duty airless spray equipment with a tip size of .021 to .025. For the best results, roll the sprayed surface with a short-nap roller to produce an even, smooth surface.
- Allow 24-hours drying time before applying the **PERMASHIELD PREMIUM**.

PERMASHIELD PREMIUM: Topcoat – Clear, pigmented, matte, or gloss.

- Two Component aliphatic polyurethane.
- 1-2 hour pot life.
- Two coats required.
- Allow 4-6 hours between coats.
- 2 to 3 dry mil thickness per coat (4-6 wet mils). Do not apply thicker (may micro-blister).
- The coverage rate is approximately 200-250 sq/ft per gallon.
- Keep the coating dry for 48-hours.
- Full cure and anti-graffiti characteristics require at least 5 days.

CITRUS CLEAN SUPER is the only cleaner recommended for graffiti removal with the **PERMASHIELD PREMIUM SYSTEM**. Graffiti removal procedures are in the following section.

GRAFFITI REMOVAL PROCEDURE:

CITRUS CLEAN SUPER is the only cleaner recommended for graffiti removal with the **PERMASHIELD PREMIUM**. Spray the **CITRUS CLEAN SUPER** on the graffiti and allow it to set for 2 to 3 minutes (do not allow the cleaner to dry on the surface). Then use a nylon hard bristle scrub brush or scour pad, to work the cleaner into the graffiti. Spray more cleaning solution to maintain a wet surface and to remove the dissolved graffiti. Continuous wet scrubbing is the key to removing the graffiti. After completely removing graffiti, rinse the cleaned area well with water to neutralize the cleaner. Do not use solvents such as M.E.K. or lacquer thinners for cleaning before using Citrus Clean Super.

WARRANTY:

Monopole Inc. warrants the **PERMASHIELD PREMIUM** Graffiti Control System for a period of 10-years as long as the substrate, application and removal methods meet our guidelines. For the duration of the 10-years no additional graffiti coatings are needed and the warranty protects against yellowing, shadowing, ghosting, or chemical staining. Contact Monopole's service department at (800) 491-9977 for further information on how to acquire a warranty which must be obtained before product application commences.