

SOLVENT BASED EPOXY PREMIUM CLEAR COATING

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| DESCRIPTION | A two component, high solids epoxy clear floor coating. |
| USES | The Premium Clear Coating is a two part high performance epoxy coating designed for ultimate adhesion, durability and chemical resistance. It is not intended for use outdoors or on unsound previous coatings or floors that have a moisture problem. |
| APPEARANCE | Gloss Transparent finish. |
| PACKAGING | Epoxy Shield Premium Clear Coating is supplied as a short filled 1 gallon kit with one gallon can containing 80 fl. oz. (2.4 l) of Part B Base, one gallon can containing 40 fl. oz. (1.2 l) of Part A Activator and a 10.7 oz (303 g) bag of optional anti-slip additive. |
| SURFACE PREPARATION | <p>(See directions in kit box for more details)</p> <p>Bare Concrete: Allow new concrete to cure for a minimum of 28 days. Check the garage for conditions that might interfere with proper adhesion (see directions sheet). Clean and remove any oil spots or spills and wash the floor with a suitable detergent or degreasing solution and rinse. Then etch the floor using the Concrete Etch or Rust-Oleum 108 Clean and Etch. If these products are unavailable, use muriatic acid following kit directions.</p> <p>For best results when using the Concrete Etch, the concrete should be damp, but free of puddles. Mix the entire contents of the Concrete Etch granules with 2 gallons (3.79 l) of water. Use a plastic sprinkling can to evenly distribute the Concrete Etch solution.</p> <p>Scrub the floor with a stiff bristle brush and make sure the floor stays wet during this process until you are ready to rinse. Pay special attention to the area where the vehicle tires normally stand. Continue to scrub while rinsing to ensure all contaminants are washed away. Squeegee off excessive water or puddles and allow to dry.</p> <p>For best results, clean 10x10 foot (3 X 3 meters) sections at a time. Completely wash, rinse, and squeegee each section before moving on to the next. When all the sections have been completed in this manner, then re-rinse and squeegee the entire floor.</p> <p>When the floor is dry, rub your fingers on the concrete and check for a white film. If a white dust or powder is detected, then repeat the rinsing process being sure to thoroughly scrub during the rinse. Once the concrete is free of surface residue, you are ready to begin application of the coating. All pilot lights or open flames in the area must be extinguished due to the flammability of the solvents evaporating from this coating as it dries. Pilot lights or open flames will need to stay out for a minimum of 24 hours after application of the Epoxy Shield Premium Clear Coating.</p> <p>Previously coated floors: Make sure the floor is clean and dry. This coating is designed for use over the Epoxy Shield Garage Floor Finish or Professional Floor Finish. Epoxy Shield Garage Floor Finish can be coated anytime after 24 hours; Professional Floor Finish should be coated between 16 hours and 5 days after application. For other coatings use a wire brush to remove any loose or peeling paint or stain. If floor is sealed, the sealer will have to be removed by grinding or shot blasting. To ensure proper adhesion, scuff sand the entire surface.</p> |
| MIXING | Premix both components (Parts A and B) to re-disperse any separation before pouring Part A into Part B. It is critical to add all of Part A to B and mix for 1 minute. If using the anti-slip additive (strongly recommended), it should be slowly mixed in at this time. Activated coating must be used within 90 minutes after mixing. |

APPLICATION

Immediately begin to cut in the perimeter of the floor along the wall, or other areas where a roller cannot reach, using a brush or edger before beginning roller application. Use an epoxy safe 3/8" (9.5 mm) nap roller cover and 9" (.2 m) roller frame to apply an even coat of Epoxy Shield onto the surface. Limit the application to 4-ft by 4-ft (1.2m X 1.2 m) sections at a time. Maintain a wet edge to prevent lap marks and gloss differences. Make all final passes in the same direction to help ensure uniform appearance. Use bright lighting to ensure proper coverage. If using the anti-slip additive, continue to stir periodically to ensure additive does not settle in the pan.

Only one coat is necessary under most circumstances. Remember, Epoxy Shield must be used within 90 minutes of initial mixing to ensure even gloss.

PHYSICAL PROPERTIES (Calculated values, may vary slightly from the actual manufactured material)

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| RESIN TYPE | Amine Cured Epoxy |
| SOLVENT TYPE | Methyl Isobutyl Ketone, Methyl Acetate |
| VOC (Volatile Organic Compounds)* | <150 g/l (1.25 lbs/gal) |
| WEIGHT PER GALLON* | 8.78 lbs |
| WEIGHT PER LITER* | 1.1 Kg |
| SOLIDS BY WEIGHT* | 77.5% |
| SOLIDS BY VOLUME* | 76.4% |

*Activated material

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| RECOMMENDED DRY FILM THICKNESS PER COAT | 2 – 5 mils (51 – 127µ) |
| WET FILM TO ACHIEVE DFT | 3 – 7 mils (76 – 178 µ) |

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| PRACTICAL COVERAGE @ RECOMMENDED DFT | |
| Painted surfaces | 500 sq ft/gal (23 m ²) |
| Bare Concrete | 250 sq ft/gal (46 m ²) |

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| APPLICATION CONDITIONS | 60° – 85° F (15° – 29° C) Humidity less than 85% |
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| MIXING RATIO | 2:1 By Volume, base to activator |
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| INDUCTION PERIOD | none |
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| POT LIFE @ 60° – 85° F (15° – 29° C) AND 50%RH | 90 minutes |
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| DRY TIMES @70° - 80°F (21° - 27° C) AND 50%RH | |
| LIGHT FOOT TRAFFIC | 10 hours |
| NORMAL FOOT TRAFFIC | 24 hours |
| VEHICLE TRAFFIC | 4 Days |

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| SHELF LIFE | 5 Years |
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SAFETY (For additional information, see MSDS)

FLASHPOINT Base component: 31°F (-1°C) Activator: 234°F (112°C)

LEAD-FREE

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