

PRODUCT DESCRIPTION	CHEM PROTECH GL is a silicon-ceramic treatment designed to provide maximum protection to pavers, stone, brick, cement and other masonry products against staining, microbial growth, fading due to UV exposure, acid rain, and other airborne pollutants associated with the environment. It is also an excellent sealer for tile, grout, VCT tile, vinyl tile, marmoleum, granite, marble and pool tile. It restores the surfaces to near original color and gloss and brings out the color in stone and masonry. Its extreme hydrophobic nature exhibits an increased co-efficient of friction on the substrate it is applied to, making the coated surface not slippery when wet.
SUGGESTED USES	Concrete and paver streets and roadways, driveways, sidewalks, patios, pool decks, exterior entryways, paver decks and walkways, tile, grout, VCT tile, vinyl tile, marmoleum, granite, marble, exterior window treatments, stone columns, brick walls, decorative stones.
SURFACE PREPARATION	The surface to be coated must be clean, dry and free from dirt, oily residue, grime, loose oxidation, spores (mildew) or any other surface contaminate that could affect product performance. It is imperative to fully and completely clean the surface, as CHEM PROTECH GLOSS adheres by covalent and mechanical bonding and must gain intimate contact with the surface. Clean the surface by liberally applying a good cleaner, making sure to remove all residue of the cleaner by flushing vigorously with water. Masonry, pavers, and stone may be cleaned with a high-pressure power washer. Allow the surface to dry for a period of at least 24 hours before applying CHEM PROTECH G
MIXING & CATALYZING	<p>is a three component material and must be properly mixed for curing to occur. This product is packaged, in kit form, with separate containers for the (A), (B) & (C) components. To mix gallon, quart and smaller kits:</p> <ol style="list-style-type: none"> 1. Pour Part (B) into the bottle labeled Part (A). Shake lightly for 10 seconds and set the bottle down. 2. Notice an exothermic heat reaction begins. This is normal and the bottle will reach about 135 degrees. Periodically remove the cap to release reaction vapors (alcohol). Shake lightly after 30 minutes. After 90 minutes, continue to step 3. 3. Next, add the (C) component liquid into the admixture of the (A) & (B) components. Shake for 15 seconds and let sweat for 5 additional minutes before using. <p>Pot life of mixed material is 6 days. Keep container closed when not in use.</p>
APPLICATION	<p>ROLLER: Use a short nap adhesive or mohair roller cover with a solvent resistant core. Pick up a small amount of material into the cover and gently apply using a series of one directional roller strokes. Avoid over rolling the material and avoid working back into partially set material. Maintain a functional working wet line during application and roll to natural breaks. Always mask, and protect surfaces not to be coated.</p> <p>BRUSH: Small surface areas or cut in edges can be blended in using a natural hair bristle brush or disposable foam applicator provided the initial application is still freshly wet. This may only be within several minutes in outdoor applications.</p> <p>SPRAY: Follow spray equipment instructions and use a small tip capable of laying down approximately 1 to 1.5 mils wet on a non-porous surface. On porous surfaces ensure reasonable penetration. Do Not Apply: if rain, fog or heavy dew is imminent within 12 hours of product installation. Do Not Mix or Apply: if the temperature will drop below 50°F at any time during application or within 12 hours of product installation.</p> <p>This coating CANNOT be over coated, so if the desired effect is not reached then wash the coating off with denatured alcohol before dry and recoat.</p>

SAFETY REQUIREMENTS	Warning: Alcohol vapors are flammable. No smoking or hot work within 50 feet. Methanol vapors are hazardous. Assure sufficient ventilation and wear PPE 9 respirator. Protective eye wear, with side shields and protective gloves are also required when using CHEM PROTECH G. See SDS.
CLEAN UP	Application tools and spray equipment should be cleaned with 100% pure denatured alcohol. Flush the pump, hose, pressure pot and gun thoroughly until all product has been cleaned from the spray system. Remove the tip and nozzle and clean thoroughly before replacing onto the gun. Clean up drips, spills or over spray with 100% pure denatured alcohol before the product dries. Always dispose of alcohol-saturated cloths in a safe and proper manner. During clean up/containment, wear protective clothing. Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide dikes or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as, clean water hosing, high-pressure power washing or steam cleaning.
PRODUCT YIELD	The yield of product varies with substrate condition and application method. The yield can be as high as 1,000 sq. ft. per gallon on non-porous surfaces and as low as 400 sq. ft. per gallon on porous surfaces. Actual field conditions will dictate product yield.
HANDLEABILITY, MIXING & APPLICATION	Pot Life: When all materials mixed, 6 days.. Dry Film Thickness: 1-1.5 mils wet. Curing Conditions: @ 73°F (23°C) and 50% R.H. Dry Time: Touch: 2 hours @ 70°F, 50% RH (8 hours on average to drive on), Full Cure: 7 days.
SYSTEM PERFORMANCE (Typical Data)	VOC Content: 3.52 lbs./gal, 428 g/liter (Components A, B & C mixed). Abrasion Resistance: 364 kg load 1000 cycles (ASTM C501), 1500 revolutions, class 3 rating (ASTM C1027). Salt Spray: 4000 hours (face corrosion, face blistering) NONE. (ASTM B117). Resistance to Microbial Fungi: Rating 0 (ASTM G2109). Resistance to Staining: Class A (ANSIA137.1-2008) (ASTM C1378). Coefficient of Friction: Dry: 0.79, Wet: 0.79 (ASTM C1028).

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