



Technical Data Sheet

ClearGuard Plus

Product Numbers 5002-002 & 5002-005

Updated June 30, 2011

DESCRIPTION

CLEARGUARD PLUS is a state of the art water repellent formulation which provides a durable subsurface, clear protective barrier against water, oil, water-based dirt and oil based-dirt. **CLEARGUARD PLUS** combines the best of siloxane and fluorochemical technology to protect all types of masonry, brick, unglazed tile, grout, terra cotta, and stone. It provides oil and water repellency, stain resistance, substrate breathability, and makes surfaces easier to clean.

USES

- Water and Oil Repellent for Mortar, Brick, Stucco, Split Faced Concrete Block, Concrete, Concrete Block, Limestone, Marble, Slate, Sandstone, Granite.
- Oil-Based Dirt and Water-Based Dirt Repellent on Vertical and Horizontal Surfaces.

ADVANTAGES & BENEFITS

- Lowers surface tension of substrate to repel water, oil, water-based dirt and oil-based dirt.
- Bonds to wide variety of substrates and can easily be used on any type of unpainted Masonry.
- Eliminates or reduces efflorescence.
- Exceeds NCHRP 244 Requirements. Meets SSWC Federal Specifications.
- Meets V.O.C emission regulations making it safe to use and eliminates facility downtime during application.
- Nontoxic formulation is safe to install.
- Will not etch glass or damage shrubbery.
- Easy application and cleanup lowering job cost.
- No special training or equipment required to install.
- Warranty available
- Allows masonry substrate to “breathe” or expel existing moisture.

PRODUCT CHARACTERISTICS

Appearance-	Milky
Color-	White
State-	Liquid
Odor Characteristic-	Mild odor
pH-	8.5
VOC-	<54 g/L (Method 24)
Density-	8.5 lbs/gal (1018 g/L)
Viscosity-	equal to water

Storage and Shelf-Life

CLEARGUARD PLUS has a shelf-life of nine (9) months provided it is stored in tightly closed containers and protected from sunlight and stored at temperatures between 32° F ((0° C) and 100° F ((38° C). Product older than 9 months can be used if it is found to pass relevant quality controls.

APPLICATION INSTRUCTIONS:

Surface Preparation:

Surface preparation depends on substrate placement, type and strength, curing and finishing processes, age, condition, previous contamination, and the presence of previous coatings. Surfaces should be clean from dust, dirt,

oils, grease curing compounds, other coatings, efflorescence, and laitance before applying **CLEARGUARD PLUS**.

Remove all loose debris, dust, dirt, oil and laitance from substrate by power washing and mechanical scraping (see list below.) Repair any damaged mortar and fill all cracks with appropriate filling material.

Mechanical - abrasive blasting (sand, baking soda, vacuum)

Chemical - acid etching, stripping, solvent degreasing, caustic soda scrubbing, alkaline soap scrubbing, high pressure washing, high pressure washing with sand.

Heat - propane and acetylene torching

If torching acidic or caustic cleaning agents are used, neutralize the surface and completely wash to remove any residues. Before using any surface preparation method a test patch should be performed with the customer's approval to ensure that their needs are met.

New concrete should be allowed to cure for at least 28 days before applying **CLEARGUARD PLUS**.

Application

CLEARGUARD PLUS comes ready to use; however, it is recommended that container be shaken or stirred before application. Can be applied by brush, roller, or low-pressure (pump-up) sprayer.

Apply in wet on wet fashion allowing product to run down surface approximately 12 inches. Maximum water and oil repellency realized in 72 hours. Beading generally improves over time. Two coats are required using a “wet-on-wet” procedure to ensure complete coverage. A test patch should be performed prior to general application with the customer's approval to ensure that desired water repellency and appearance is achieved.

Application Temperature:

min. +40 to 105 F (Ambient); min. +36 F to 100 F (Surface)

Coverage

Coverage may vary due to porosity of substrate.

Architectural Concrete:	100 ft. ² /gal. (2.3 m ² /L)
Porous Brick:	150 ft. ² /gal. (3.45 m ² /L)
Dense Brick:	350 ft. ² /gal. (8.75 m ² /L)
Stucco:	125 ft. ² /gal. (2.88 m ² /L)
Concrete Block:	100 ft. ² /gal. (2.3 m ² /L)
Split-Faced Block:	100 ft. ² /gal. (2.3 m ² /L)

Clean Up

Thoroughly rinse application equipment with clean water

SAFETY AND HANDLING

For specific information regarding safe handling of this material please refer to the Material Safety Data Sheet (MSDS). For more information: Contact your Hydro-Stop Technical Sales Representative or call 1-800-739-5566

ORDERING INFORMATION

CLEARGUARD PLUS can be purchased in two gallon or five gallon pails at any official distributor of Hydro-Stop. For a distributor in your area please call us at 1-800-739-5566.