



TECHNICAL DATA SHEET

GEM-TEK™ 5100

An industrial-grade, water-based, modified silicone/siloxane sealer that enhances, protects, and provides a clear, low-sheen finish. Gem-Tek 5100 is the industry's highest performing stone enhancing sealer designed especially for tumbled marble, limestone, slate, stone and saltillo clay tile. This unique formula leaves the surface slightly darker with a clear, non-yellowing finish. This product has an extremely fast set time and an unsurpassed stain resistance. The treated surfaces will resist chipping, flaking, delamination and breakdown with UV light exposure.

APPLICATIONS

Exceptional when used for:

- Substrates: Tumbled marble, limestone, slate, stone and saltillo clay tile

Not for use on:

- Substrates: Concrete

BENEFITS

- Easy to clean surface
- Enhances colors and textures
- Easy to apply
- Reduces dirt pick up
- Mold/mildew resistant
- Resists surface staining
- Prevents water ingress
- Resists weathering
- Resists carbonation, weak acids and alkaline solutions
- Wind erosion and general exposure resistant
- Resists UV degradation

PREPARATION

Avoid contact with skin, eyes and clothing. Wash hands after use and do not take internally. Please refer to the product Safety Data Sheet (SDS) before using. The preparation process should be followed to ensure adequate penetration and optimum performance:

Step 1: The concrete substrate must be structurally sound, thoroughly dry and clean. Wait at least 24-48 hours after rain and/or pressure washing before sealing; concrete should be visibly dry.

Step 2: Remove all paints, previous sealers and/or adhesives before application.

Step 3: The substrate must be clean of oil, grease, dirt, wax, curing compounds, efflorescence and other contaminants that might interfere with the penetration of the sealer.



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Step 4: If acid is used to clean the concrete, neutralize the surface completely and rinse it with water prior to application. Then wait for the concrete to dry out for at least 24-48 hours.

Step 5: The surface-zone moisture content of the concrete should not exceed 4%wt.

Step 6: Cover all surrounding areas not intended to be coated.

Step 7: New concrete must be cured for at least 28 days before sealing.

APPLICATION

Step 1: Gem-Tek™ 5100 is ready to use right out of the container. Stir extremely well before use.

Step 2: Pour the Gem-Tek™ 5100 into a paint tray or bucket. Dip a good quality 3/8" nap roller, brush or lint free cloth into the tray or bucket.

Step 3: Roll or brush one coat onto the application area in a thin and uniform manner. Too thick of an application will result in entrapment and subsequent product failure.

Step 4: Roll out any puddles until the sealer penetrates the substrate. Excess material should be removed to prevent inconsistencies in the enhancement.

Step 5: One extremely thin coat should be applied to achieve an enhanced appearance. If an additional coat is desired, apply an extremely thin coat immediately after the first coat to achieve an enhanced appearance with a higher sheen.

Step 6: When the entire application has been treated, let the concrete dry for at least six (6) hours before walking, 24 hours before driving, and protect the concrete from rain for at least 24-48 hours after sealing.

Step 7: Clean up: Application tools can be cleaned using soap & water.

Step 8: Unused or old material may be disposed of in a waste disposal site in accordance with local, state and federal laws.

APPLICATION NOTES:

- Before application test the sealer by applying in an inconspicuous area to ensure the desired coverage and appearance is achieved.
- Do not apply to damp or wet concrete.
- Do not apply too thick of an application.
- Do not use in immersion service or constant chemical exposure areas.
- Surface may become slick when wet.

TECHNICAL SPECS

- Feature: Stone enhancing sealer
- Chemistry: Modified silicone siloxane



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- Color: Clear
- Finish: Matte
- Category: Penetrating
- Carrier: Water
- Availability: Ready to use
- Packaging: 1 Gallon
- Coverage: Up to 400 sq. ft. per gallon
- Interior/Exterior: Interior/Exterior
- Application Method: Roller, brush, lint free cloth
- Application Temperature: 45 F - 90 F
- Number of Coats: 1
- Drying Time (dry to touch): 6 Hours
- Drying time (full cure): 24 Hours
- Time before/after rain: 48 Hours
- New Concrete: Yes, at least 28 days after being poured
- Storage/Shelf Life: 1 Year
- Clean up: Soap/water
- Paintable: No
- VOC Content: 50 g/L

WARRANTY/LIMITATIONS OF LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. No warranty is made, expressed or implied, regarding such other information, the data on which it is based, or the results you will obtain from its use. No warranty is made, expressed or implied, that our product shall be merchantable or that our product shall be fit for any particular purpose. No warranty is made that the use of such information or our product will not infringe upon any patent. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may cause serious physical injury. Before using, read the Safety Data Sheet and follow all precautions to prevent bodily harm.