



GS 36 Grout Coat & Sealer

TECHNICAL DATA SHEET

Water Base, Low Viscosity, Acrylic Grout and Sealer

DESCRIPTION

GS 36 Grout Coat & Sealer is a single component, waterborne, ultraviolet stable, high-performance, fast-drying acrylic emulsion. It is used as a vinyl chip as a clear grout coat, and it is used as a concrete and cementitious overlayment sealer grout coat for MVP Coatings vinyl chips. Place at 200 sq. ft. (18.6 sq. m.) per gallon. A sealer can be used as a clear or pigment sealer for Concrete and Cementitious Overlays. It is available in clear or it can be factory pigmented. Place at 300 to 350 sq. ft. (27.9 to 32.5 sq. m.) per gallon. It is VOC Compliant in all states and provinces in North America.

TYPICAL USES

- Vinyl Chip Grout Coat
- Sealer for Concrete and Cementitious Overlays

BENEFITS

- Complies with USDA, FDA, Food Safety Modernization Act.
- Meets LEED® and Green Seal® requirements.
- VOC and EPA Compliant in all states and provinces in North America. Cures to an inert finish.
- UV Light stable
- Strong Adhesion
- Designed for new concrete and for sealing old concrete

LIMITATIONS

- This product is best suited for applications in temperatures between 60°F to 90°F (16°C to 32°C). Do not apply when Relative Humidity exceeds 85%.

COLORS

- Use as a Clear Sealer
- When used as a Pigmented Clear it can be factory pigmented MVP Coatings Standard Color Guide.

COVERAGE RATE PER GALLON

- Grout Coat 200 sq. ft. (18.6 sq. m.) 8 mils (WFT)
- Sealer for Concrete and Cementitious Overlays, more than one seal coat may be required on aggressive or

porous surfaces. Place at 300 to 350 sq. ft. (27.9 to 32.5 sq. m.) 4.6 to 5.3 mils (WFT)

HANDLING and SAFETY

Warning! Eye and skin irritant. May cause dermatitis and sensitization. Always read and follow the product SDS. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, and spray. Use good ventilation.

CONCRETE

Concrete must be structurally sound and free of curing agents, coatings, sealers, densifiers, and other bond breakers.

New Concrete:

- Place concrete per ACI 302.2R Guide for Concrete Slabs that Receive Moisture-Sensitive Floor Materials.
- Water Cement Ratio 0.4 to 0.5, and an approximate 4,000 psi (28 MPa) strength level.
- Requiring a positive side moisture barrier in direct contact with the concrete meeting ASTM E1745 Standard Specification for Plastic Water Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs.

The moisture barrier needs to be placed per ASTM E1643 Standard Practice for Selection, Design, Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs, Class A 15 mils (0.38mm)

Existing Concrete:

If field tests or laboratory analysis reveals inferior concrete flooring slabs containing contaminants from previously applied unreacted silicate materials that will interfere with the bond, consult manufacturer for appropriate primer.

- Contaminants include, but are not limited to organic hydrocarbon materials, calcium chlorides, and aluminum stearates.
- Concrete flooring slab can lose their structural strength

over time, caused by conditions beyond the control of the flooring manufacturer or the installation contractor.

- If the concrete substrate deteriorates sufficiently, it will no longer support the bond of the remediation floor system.

Such conditions are detailed in ACI 201.2R “Guide to Durable Concrete” published by the American Concrete Institute.

CHEMICAL RESISTANCE DATA

Contact manufacturer for chemical resistance data.

CHECK CONCRETE MOISTURE

Contact manufacturer for concrete moisture directions.

CHECK TEMPERATURE & HUMIDITY

Floor and material temperature must be at or above the published Technical Data Sheet. Dew point must be 5°F (3°F) or more below the surface temperature. Do not apply if humidity is at or above 85%.

SURFACE PREPARATION

Surface preparation following: ICRI Guideline No. 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair. The pH of the concrete substrate should be at 9 or above. All bond-breaking material must be removed.

APPLICATION EQUIPMENT

Depending on system applied: Disposable 3” brush for cutting in, variable low-speed drill (450 rpm) with Jiffy® type impeller mixing paddle, 3/8 inch nap non-shedding phenolic core roller, roller frame, and V-notched rubber squeegee.

Physical Properties at 77°F (25°C)	
VOC (Volatile Organic Compounds), (VOC Calculated Per ASTM D3960)	< 100 gr./lt.
Standard Viscosity Clear	250 – 300 cps
Percent Solids, Clear by Volume	35% to 38%
Percent Solids, Pigmented by Volume	45% to 48%
Mix Ratio, by Volume	Single Component
Recoat Time	30 to 60 Minutes
Light Traffic	4 to 6 Hours
Full Cure	3 Days
Shelf Life (shipped and stored) at 40°F to 100°F (4.4°C to 38°C)	1.5 Years
Packaging 1 gal. and 5 gal. (3.8 lt. and 18.9 lt.)	

Mechanical Properties at 77°F (25°C)	
Surface Preparation ICRI 310.2R Concrete Surface Profile (CSP 2 and above) Depending on System to be Installed and Condition of Concrete.	
Adhesion ASTM D7234, Concrete Failure	>400 psi
Water Absorption, ASTM D570	<0.1%
Moisture Vapor Emission Rate, ASTM F1869*	25 lbs.
Moisture Relative Humidity, ASTM F2170*	100% RH
*If moisture or relative humidity exceeds the limits consult the MVP Coatings representative.	

Note: though testing is critical, it is not a guarantee against future problems. This is especially true if there is not a positive side vapor barrier or it is not functioning properly and/or concrete has contamination from oils, chemical spills, densifiers, excessive salts or other bond breakers.

TECHNICAL SUPPORT

Additional Support Documents are available from MVP Coatings including brochures, application guidelines, videos and more. Contact MVP Coatings for additional resources.

MIXING

Single components should be premixed. For ease of mixing and placement, the liquid should be between 70°F to 80°F (21°C to 27°C). Mix the liquid thoroughly to ensure all raw materials and pigments are dispersed uniformly. Box pigmented products if using different numbers for uniformity of color.

APPLICATION

After mixing all contents as instructed, the material can be placed by squeegee and backroll or applied with a Hudson-type sprayer and backroll. (Dip and roll are not recommended because they may leave lap lines and start/stop lines. Check for desired wet film thickness with a WFT Gauge. Place all steps per MVP Coatings Installation Instruction.

SHIPPING and STORAGE

Ship and store material between 40°F to 90°F (4°C to 32°C). Store in a dry environment and out of direct sunlight.

SHELF LIFE

Shelf life is 1 year from the date of manufacturer, provide the containers are unopened.

CLEAN-UP

Clean-up mixing station, tools, and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health, and safety precautions when handling or storing solvents and materials, particularly in confined spaces. Make sure the working areas are well ventilated at all times during placement and curing time.

DISPOSAL

Dispose of empty packaging and other waste following federal, state, province, and local regulations.

MAINTENANCE

Inspect the installed floor by spot cleaning and spot repairing the damaged or cracked areas. To prolong the life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests. The accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, expressed or implied. It is the responsibility of the user to document information and tests to determine the intent of the product for ones» own use. The application, Qob conditions and user assumes all risks and liability resulting from use of the product. We do not suggest or guarantee any haaards listed herein are the only ones, which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any inQury, loss or damage directly or indirectly resulting from use of, or inability to use the product. Recommendations or state ments, whether in written or verbal, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate ofcer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and MVP Coatings makes no claim that these tests or any other tests accurately represent all environments. Not responsible for any typographical errors.

LIMITED WARRANTY

MVP Coatings warrants its products to be free of manufacturing defects and meets all MVP Coatings current published physical properties. MVP Coatings» sole responsibility shall be to replace the portion of any product proved to be defective. There are no other warranties by MVP Coatings of any nature whatsoever expressed or implied, including any warranty of merchant ability or fitness for a particular purpose in connection with this product. MVP Coatings shall not be liable for damages of any sort, including remote or conseXuentia damages resulting from any claimed breach of any warranty whether expressed or implied. MVP Coatings shall not be responsible for the use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee pertaining to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator will be issued. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature andor physical movement of the substrate or structural defects are also excluded from the limited warranty. MVP Coatings reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

