

Grout Shield

Stain Resistant Grout Additive



www.miraclegroutshield.com

FEATURES

- Protects Grout from Staining
- Mixes with Grout in Place of Water
- 20 Year Warranty

DESCRIPTION

Grout Shield is a specialty sealer additive that mixes with cement-based grout instead of water to provide a stain resistant grout installation without any additional sealing. Perfect for interior and exterior use.

Coverage

Follow grout manufacturer's published coverage.

Packaging

27 oz. (798 ML) plastic container to be used with 9.75 lb. to 10 lb. bag of sanded grout

70 oz. (2.07 L) plastic container to be used with 25 lb. bag of sanded grout

Storage

Store in a cool, dry location. Do not store in direct sunlight. Do not use product if it has been frozen.

Shelf Life

If unopened, 12 months from the date of manufacture. Once opened, store any unused product in a sealed container and use within 6 months.

Special Notes

When using Grout Shield stain resistant grout additive, grout doesn't need to be sealed. If tile or stone needs to be sealed, do so before grouting with Miracle Sealants 511 Impregnator or Superseal (compatible with Grout Shield) as your grout release. Avoid applying sealer to tile/stone edges as this may interfere with proper grout bond. If enhancing tile and/or grout, use Miracle Sealants Seal & Enhance as your grout release. Do not use Grout Shield additive with cement grouts that already claim stain resistance, or with liquid, ready-to-use or epoxy grouts. Certain tile surfaces, including glazed ceramic tile, marble, stone and agglomerate tile can be scratched, stained or damaged when grouted with sanded/colored grout.

Follow tile manufacturer/fabricator recommendations and test a small area prior to use to determine suitability. Not recommended for installations where chemical resistance is required. Never mix Grout Shield additive with latex additive or any other additives.

Cautions

Wear safety glasses when handling this product. Wear chemically resistant gloves to prevent prolonged or repeated contact.

FIRST AID: If swallowed: Do not induce vomiting. Seek medical attention if symptoms develop. Skin Contact: Wash with soap and water. Eye Contact: Flush with water for 20 minutes. If vapors inhaled: Move to fresh air. Seek medical attention if symptoms develop.

KEEP OUT OF REACH OF CHILDREN

If product is damaged during transportation contact Info Trac at (800) 535-5053.

Technical Data

Physical Properties

Weight	8.74 lbs per gallon
Color	Milky white
Odor	Mild
Ionic Activity	Mildly Cationic
Physical Form	Liquid
Freezing Point	32 degrees F
Flash Point	None measured
Packaging	27 and 70 oz. containers
Solids	10 - 13%
*Shelf Life	6 - 12 months

*Depending on such things as, but not limited to, storage conditions, transportation, handling and end user formulation technology.

INSTALLATION INSTRUCTIONS

Surface Prep

For surface preparation, refer to grout manufacturer's instructions.

Mixing

Shake well before using.

Pour entire Grout Shield contents into a clean mixing bucket. Slowly add entire bag of sanded grout and thoroughly mix (drill, grout mixing bit & bucket). Let sit in mixing bucket for 10 minutes and then mix again. Follow grout manufacturer's instructions to install grout. In order to maintain color consistency across an entire installation, use the same liquid to grout proportions when using multiple containers for the same job.

Inspect and rework grout joints if necessary during final cleaning. (Between 45 - 60 minutes).

Note: Some tile professionals may desire a particular grout consistency. In this case, once the recommended Grout Shield has been used, up to 2 ounces of clean cool water can be added at a time until the desired consistency is achieved.

For interior and exterior use.

Clean Up

Follow cleanup process as specified by grout manufacturer.

Allow a minimum of 10 days to cure or per grout

manufacturer's instructions, whichever is longer, before starting routine cleaning (such as mopping).

Protection

Protect the finished installation from traffic or impact for at least 24 hours

Finished installation should be free from traffic and impact for at least 24 hours, from water immersion or freezing for 10 days or per grout manufacturer's instructions, whichever is longer. No need to seal grout. Clean up spills immediately upon occurrence. Do not use liquid abrasives. If a stain remains after initial cleanup, follow the recommended cleaning procedures provided at www.miraclegroutshield.com or call 800 350-1901 Extension 3013 for technical support.

Availability

For information about product availability visit www.miraclegroutshield.com.

LIMITED WARRANTY

Miracle Sealants Company (MSC) offers a 20 year limited warranty on this product when installed in accordance with MSC printed specifications and applicable industry standards and building codes. MSC warrants to the original owner that the product will be free from manufacturing defects, will resist stains and will not deteriorate under normal use for 20 years from date of manufacture. Date manufactured is located on the back of the container. This limited warranty does not cover normal wear and tear of the product, nor does it eliminate the need for routine maintenance and cleaning. This limited warranty covers the Grout Shield product only and excludes all claims related to grout defects and/or grout installation errors, as well as claims related to the tile or stone.

For any valid Grout Shield additive claim, MSC will, at its option, replace the Grout Shield additive or refund the purchase price for the Grout Shield additive.

EXCLUSIONS TO LIMITED WARRANTY: MSC is not responsible for structural failure, misuse of product or workmanship not in accordance with manufacturer's instructions and applicable industry standards and building codes. MSC is also not responsible for damage caused by heavy use and/or traffic, abusive conditions or accidents, including, but not limited to, scratching and scuffing. ALL OTHER WARRANTIES DISCLAIMED. THE WARRANTY STATED ABOVE IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED TO THE EXTENT OF THE LAW. MSC EXPRESSLY DISCLAIMS OR LIMITS ALL OTHER WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

LIMITATION OF REMEDIES: THE REFUND/REPLACEMENT REMEDY STATED IN THIS WARRANTY IS THE ONLY REMEDY AGAINST MSC AVAILABLE TO OWNER OR TO ANY OTHER PARTY. IN NO EVENT WILL MSC BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) ARISING OUT OF OR CONNECTED TO THE PRODUCT(S), NOR PAY DAMAGES IN ANY AMOUNT EXCEEDING THE ORIGINAL PRICE OF THE PRODUCT(S) SHOWN TO BE DEFECTIVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

WARRANTY CLAIMS: Owner shall notify MSC, in writing, within 15 days of the discovery of the alleged defect or stain. Mail written claim along with proof of purchase to the following address:

Miracle Sealants Company 12318 Lower Azusa Road, Arcadia, CA 91006
Attn: Technical Support

MAINTENANCE

Grout Shield stain resistant grout additive repels dirt and resists stains. However, routine cleaning using a PH neutral cleaner such as liquid dishwashing soap for everyday cleaning is recommended. For grease and soap scum, use an alkaline cleaner. For hard water deposits and other inorganic stains, use an acid based cleaner. Some floor cleaning processes such as damp mopping can deposit dirt residue in the grout joint. It is recommended that mop water is removed from the grout surface as well as the tile before it dries.

Technical Assistance

1-800-350-1901 or visit www.miraclegroutshield.com

Grout Shield

Stain Resistant Grout Additive



www.miraclegroutshield.com

**Osha's Hazard Communication Standard
U.S. Department Of Labor**

29 CFR 1910.1200 OMB No. 1218-0072
Identity No: Name: Grout Shield

Section 1

Manufacturers Name: Miracle Sealants Company
Address: 12318 Lower Azusa Road Emergency
Phone: 800-350-1901
City: Arcadia
State: CA
Phone: 626-443-6433
Date Prepared: 10.10.2010

2. Composition/Information On Ingredients

CHEMICAL NAME	CAS NO.	Weight %
Chemical Name	ACGIH/TWA	ACGIH/STEL
	OSHA/TWA	OSHA/STEL

3. Hazard Identification

PRIMARY ROUTES OF ENTRY:

Dermal- Yes Ingestion-Yes Inhalation-Yes Eye contact- yes

POTENTIAL HEALTH HAZARD(Acute and Chronic):

EYES: Mild eye irritant. Direct contact with the solution may cause slight iridal and conjunctival irritation. No permanent damage is anticipated.

SKIN: Can be mildly irritating upon prolonged exposure (liquid stage only).

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION: Gross over-inhalation may cause symptoms such as, but not limited to, coughing. May aggravate pre-existing lung disorders.

4. First Aid Measures

EYES: Flush immediately with clean, free flowing water for 15 minutes. Consult a physician if irritation persists.

SKIN: Remove wet clothing and launder before re-use. Wash thoroughly with soap and water affected area.

INGESTION: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out mouth with clean water. Get medical attention.

INHALATION: Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention.

5. Fire Fighting Measures

FLAMMABLE PROPERTIES

FLASH POINT: NONE (WATER BASED SOLUTION)
METHOD USED: TOC

FLAMMABLE LIMITS LEL: ND UEL: ND

EXTINGUISHING MEDIA: Water, CO₂, Dry Chemical, Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus when fighting fires involving chemicals.

UNUSUAL FIRE AND EXPLOSION HAZARD: None known. Material is non-flammable and noncombustible.

6. Accidental Release Measures

Observe precautions from other sections. Collect any spills with absorbent material such as vermiculite.

Place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

Dispose of in accordance with Federal, State and Local Regulations.

NA=Not Applicable N/A=Not Available ND=Not Determined

7. Handling And Storage

Avoid contact with eyes. Avoid prolonged and repeated skin contact. Avoid breathing vapors. Use with adequate ventilation. Avoid eye contact. Always wash hands thoroughly before eating, drinking, smoking or using the bathroom. Store in a cool dark place. See other precautions listed elsewhere within this MSDS.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: None required if ventilation is adequate to keep below TLV (if any are listed herein).

LOCAL EXHAUST: Recommended to keep air contaminant concentration below the OSHA's PEL and ACGIH's TLV (if any are listed herein).

MECHANICAL EXHAUST: General ventilation system should be provided.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Eyewash equipment. Apron, coveralls, boots as necessary to prevent skin contact. Safety shower.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly before handling foodstuffs, liquids, or tobacco products.

OTHER HEALTH HAZARDS: If TLV of any component of the product is exceeded, a NIOSH/MSHA jointly approved respirator must be supplied to personnel and used in accordance with OSHA Regulations. Respiratory protection programs must be in accordance with 29CFR 1910.134

9. Physical And Chemical Properties

BOILING POINT: (deg.F): 212
VAPOR PRESSURE: (68 deg. F) < 1
VAPOR DENSITY: (Air=1.0) > 1
SOLUBILITY IN WATER: miscible
SPECIFIC GRAVITY: (H₂O=1) - 1.05
VOLATILE BY VOLUME: -59 - 63%
VOC CONTENT: None
VOC EXEMPT COMPONENTS: 100% (water and solids)
EVAPORATION RATE: (Ether=1) <1
APPEARANCE: Milky white
ODOR: Mild.

NA=Not Applicable NE= Not Established N/A=Not Available ND=Not Determined

10. Stability And Reactivity

STABILITY(CONDITIONS TO AVOID): None known.
INCOMPATIBILITY (MATERIALS TO AVOID): None known.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition can produce CO₂, CO, ammonia, oxides of nitrogen and possible traces of HF.
HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

This product is considered practically non-toxic orally. Inhalation hazard is considered low. Please consult Material Safety Data Sheet (MSDS) for more information. This product does not contain Perfluorooctanyl Sulfonate (PFOS) or Perfluorooctanoic Acid (PFOA).

12. Ecological Information

No information available.

13. Disposal Considerations

Environmental precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal

Waste Classification: This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity and is not listed in 40CFR 261.33 The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure

(TCLP). If discarding this material coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill in a permitted facility in accordance with local, state and federal regulations.

14. Transport Information

PROPER SHIPPING NAME: NON-HAZARDOUS LIQUID, N.O.I.

UN NUMBER: NA

Packing Group: N/A ICAO/IATA class: N/A TDG Class: N/A IDMG CLASS: N/A

15. Regulatory Information

This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200

U.S. Toxic Substances Control Act:

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

FS-7142 has no ingredients subject to reporting requirements of SARA 313 and 40 CFR 372.

California Proposition 65:

Warning: The following trace ingredients present in the product are known to the state of California to cause Cancer:

NA=Not Applicable N/A=Not Available ND=Not Determined

16. Other Information

IMPORTANT NOTICE

The information presented in this publication is believed to be accurate. However, NO WARRANTY OF FITNESS OR MERCHANTABILITY of any kind, either expressed or implied, is made regarding the product described herein or the information or recommendations contained herein. Since the conditions of use, handling and storage of this product are not within MIRACLE SEALANTS COMPANY'S control, MIRACLE SEALANTS COMPANY assumes no liability or responsibility with respect to personal injury or property damage resulting therefrom or with respect to results obtained from use Grout Shield.

NOTICE KEEP CONTAINERS TIGHTLY CLOSED, KEEP CONTAINERS COOL, DRY, AND AWAY FROM SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION AND/OR RESPIRATORY PROTECTION. AVOID INHALATION OF VAPORS AND PERSONAL CONTACT WITH THE PRODUCT. USE GOOD PERSONAL HYGIENE PRACTICE. "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.