

PRODUCT DESCRIPTION

MavGrout USP is a sloping material typically installed at 1/2" – 3" in thickness. MavGrout USP is extremely tough and withstands thermal shock, impact, abrasion, and chemical exposure. MavGrout USP is formulated with a natural additive to be resistant to Fungi Growth per the industry standard ASTM G-21.

FEATURES & BENEFITS

- Impact resistant
- Low odor, fast installation, fast cure
- Excellent corrosion & chemical resistance
- High temperature resistant to 250°F
- Thermal shock resistant; steam cleanable
- Resistant to moisture vapor transmission (MVT)
- Resistant to fungi growth per ASTM G-21

RECOMMENDED USES

- Food & beverage processing facilities
- Chemical process facilities
- Pharmaceutical facilities
- Pulp and paper mills
- Wet processing & packaging areas
- Commercial Kitchens
- Freezers and coolers
- Battery charging areas
- Truck unloading areas

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	COVERAGE
MavGrout USP Polyurethane Grout Mortar	1 Unit (A+B+Filler+Agg)	Neutral	0.60 cu ft/unit

Unit equals: 5 lbs. Part A + 5 lbs. Part B + 1 SF 30 Filler Bag + 1 40 lb. 10/20 aggregate. Part A and B liquids packaged in 1/2 gallon jugs, 5 gallon pails and 250 gallon totes.

TECHNICAL DATA

PHYSICAL DATA	VALUE	INSTALLATION DATA	VALUE
Generic Description	Polyurethane Grout	Application Temp, Ambient	40–85°F
Typical Application	1/2"–3" Trowel/Screened Applied	Application Temp, Material	50–80°F
Mix Ratio	1A : 1B + SF30 Filler + 10/20 Agg	Shelf Life	6 months
VOC Content	5 g/L	Pot Life @ 77°F	15 minutes
Coverage	0.60 cu ft/unit	Light Traffic @ 77°F	12 hours
Available Colors	Neutral	Full Service @ 77°F	24 hours

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Compressive Strength	ASTM C-579	7,800 psi
Tensile Strength	ASTM C-307	975 psi
Flexural Strength	ASTM C-580	1,900 psi
Bond Strength	ASTM D-4541	100% Concrete Failure
Impact Strength	ASTM D-4226	>160 in-lb.
VOC Content	—	5 g/L
Resistance to Fungi Growth	ASTM G-21	Passes, Rating of 1

The data shown above reflects typical results based on laboratory testing under controlled conditions. Variations from the data shown may result. Test methods are modified where applicable.

IMPORTANT INFORMATION

MavGrout USP is an underlayment and not designed as a standalone flooring material. MavGrout flooring should not be installed on wet concrete. Floors should be sloped to drain to prevent standing water or chemicals. Spills should be removed as soon as possible to prevent a slipping hazard. Confirm product performance in specific chemical environment prior to use. If waterproofing is required use Maverick's MavSeal WPM + heavy 30 grit aggregate broadcast. Follow detailed instructions in the "MavGrout Application Guide." Always use protective clothing consistent with OSHA regulations during use. Refer to Safety Data Sheet for detailed safety precautions. For industrial/commercial use. Installation by trained personnel only.

SURFACE PREPARATION

Concrete: Apply only to properly prepared clean, dry, and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases, or any other contaminants.

- New concrete should ideally be cured for a minimum of 14 days to reduce possible shrinkage cracking. MavGrout can be installed after 7 days or when concrete reaches a minimum 3,500 psi compressive strength.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers including broom finish surface.
- Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.
- Surface profile shall be CSP-5 or greater meeting ICRI standard guideline #03732, producing a profile equal to 40-grit sandpaper or coarser.
- All concrete surface irregularities, cracks, expansion joints, control joints and terminations should be properly addressed and prepared prior to application. Moving joints and cracks will reflect through the final installed MavGrout flooring.

APPLICATION PROCEDURE

IMPORTANT – Follow the detailed application instructions in the “MavGrout Application Guide” and the safety instructions listed on the product Safety Data Sheets (SDS). The following installation summary is for reference only. MavGrout systems should only be installed by trained persons experienced in polyurethane concrete flooring applications.

1. To prevent lifting or delamination, keyways (minimum 5/16” wide x 5/16” deep) must be cut at all terminations, joints, columns, doorways, and drains.
2. Clean sand and dust from CSP-5 or greater prepared concrete where the floor is to be installed.
3. Prime surface with MavCoat TC and broadcast 10/20 aggregate at 0.2 lbs. per sqft and back roll into TC primer or MavCoat MVP epoxy primer.
4. **IMPORTANT:** If using MavCoat TC as the primer, let primer cure for a **MINIMUM** of 12 hours before installing sloping material. Never install “wet on wet” with polyurethane concrete primer. If using the MavCoat MVP epoxy primer, sloping material can be installed after 60 minutes and before 24 hours.
5. Use a proper mixer and paddle to ensure a complete mix.
6. Mix 5 lbs. of Part A with 5 lbs. Part B and mix for approx. 30 seconds.
7. Gradually add all contents of a bag of MavGrout SF 30 filler into the liquid mixture and blend thoroughly until all particles are wetted out, normally about two minutes.
8. Continue with addition of 40 lbs. of 10/20 sand blend until fully mixed.
9. Immediately after mixing (within 3 minutes), spread the mixed MavGrout USP onto the floor at a thickness slightly greater than the desired finish, using a screed and hand trowel.
10. Trowel the surface lightly, using a steel finish trowel to smooth the surface. Finish trowel strokes should all be in the same direction. Do not overwork the mortar.
11. Lay abutting edges within 10 minutes to ensure a clean edge. A “wet edge” installation is imperative during large placements to avoid lines and ridges in the finished floor.
12. Allow to cure for 12 hours and then cut joints and grind if needed.
13. **IMPORTANT:** Allow sloping to cure for a minimum of 12 hours before installing a MavGrout polyurethane floor system on top.

SHELF LIFE AND STORAGE

6 months from date of manufacture when stored indoors in the original unopened container at 60°F – 85°F (16°C – 29°C) in a dry location with humidity below 65%. Do not allow materials to freeze.

LIMITED WARRANTY

Maverick warrants this product to be free from defect in the material that affects its performance for a period of one year (from date of purchase). Maverick will replace at no charge the quantity of the Coating that Maverick determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded. Warranty is void if Maverick products are mixed with or used in conjunction with materials that are substituted for Maverick products. Warranty is nontransferable.

CLEAN UP & DISPOSAL

Clean up mixing and application equipment immediately after use. Use acetone or xylene; do not use alcohol. Follow solvent manufacturer's safety instructions. Be sure to follow all local, state and federal regulations when disposing of materials.

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