



POLYMERICA

INCORPORATED

POLYMERICA PRODUCT DATA

MasterPiece

Granitech

PRODUCT PRESENTATION

MasterPiece Granitech is a cultured granite floor surfacing that blends distinctive granite design work into a colorful, durable, monolithic polymer flooring system.

MasterPiece Granitech is installed at a normal 3/32" to 1/8" thickness consisting of:

- A 100% solids pigmented epoxy primer
- A self-leveling polymer mineral composite
- Optional sealers for specified finish and texture

A standard orange-peel (gloss) finish is provided by sealing Granitech with **MasterShield DEC-OP**. A matte finish can be achieved by using **MasterShield CRM-OP**. For a slip-resistant finish which exceeds all ADA requirements while still offering cleanability, we recommend our **MasterShield CRF** as the sealer. LSS and other light stabilized finishes may also be used as a finish coat.

PRODUCT FEATURES

- Natural stone appearance
- Monolithic, seamless, quality-engineered to outlast and outperform all tile products
- Easily installed for fast-track projects
- Can be used with strips or inlays for distinctive design features

USES

MasterPiece Granitech provides a seamless and sanitary, natural stone appearance that is bonded directly to the concrete slab.

Intended only for interior use, **Granitech's** color and design potential make the product ideal for new construction. Its lightweight composition and thinset characteristics make Granitech adaptable to retrofit and renovation projects.

Given **Granitech's** virtually unlimited design potential, it provides a cost-effective alternative to terrazzo flooring, while the product's ease of maintenance make it a unique alternative to tile flooring.

Granitech can be used in a variety of commercial, retail, and institutional applications, including offices, lobbies, showrooms, rest rooms, locker rooms, hospitals, restaurants, grocery stores and schools.

LIMITATIONS

- Substrate must be sound, clean, level to 1/8" in ten feet, properly prepared, and free from hydrostatic pressure and moisture vapor transmission
- Minimum application temperature is 55°F
- Low-temperature curing agents are available but may affect color
- Chemical exposure, service temperatures, mechanical abuse and housekeeping influence service life
- Under harsh lighting product may amber

ESTIMATING & APPLICATION GUIDELINES

System	Step One	Step Two	Step Three
	Primer	Self-leveling Surfacers	Seal Coat
	EPS-P	GRANITECH Packaged in a 5 gallon pail	DEC-OP LSS CRF
Mix Ratio	3 gal. EPS-A: 1 gal. EPS-P ¹	1 gal. Part A 1 x 1/4 Part B 20 lbs. Part C	2 gal. DEC-OP-A: 1 gal. DEC-OP-B
Coverage	160 - 200 ft ² /gal.	23 - 29 ft ² @ 3/32 to 1/8" ² Approximate	160 - 200 ft ² /gal.
Requirements per 1,000 ft ²	5 - 6 gallons	33 - 35 Units	6 gallons
Pot Life @ 70°F	20 min.	30 min.	30 min.
Cure to next	2 - 4 hrs.	8 - 10 hrs.	Foot Traffic: 10 - 16 hrs. Full Chemical Cure: 3 - 5 days @ 70°F

1. EPS-P primer color determined by Granitech Color - consult Technical Department before ordering.
2. If divider strips are used, an additional 25% - 50% more materials may be required.

PREPARATION

Concrete must be structurally sound, clean and dry. Preferred method includes abrasive blast or scarification. Consult **POLYMERICA** Bulletin SP-C for complete details. A prime coat of pigmented EPS is required. Floor must be level to 1/8" in 10 feet. Low spots and divots must be graded level prior to priming.

NOTE: If Granitech is being installed in conjunction with zinc terrazzo strips, product must be installed at minimum thickness to work to strips. Strips must be shimmed to level.

STEP ONE

Mix EPS Parts A and B with a low speed drill for two minutes. Apply with squeegee, cut in with brush and back roll with a short nap roller cover. Do not puddle. Allow to tack for 2 - 4 hours.

STEP TWO

Pre-mix Granitech filler and Part A until thoroughly wetted out. Approximately 1 - 3 minutes. **No dry filler should be visible.** Add 1 quart of Part B and mix for an additional 2 - 3 minutes. Pour onto the floor in ribbons. A combination of a steel trowel and a cam topper set to 3/32" or 1/8" should be used to release air and remove ridges. Allow to cure.

STEP THREE

Sand lightly with a rotary sander using 120 mesh paper or sanding screen. Sweep up dust and wipe with a tack rag. Mix DEC-OP or other clear resin with a low speed drill for 2 minutes. Pour onto floor in ribbons and apply with a squeegee. Back roll with a carpet roller. If additional coats are required, make sure surface is free of contamination. Cleaning or light sanding is recommended before applying additional coatings. If alternate sealer coats are used, they should be applied according to installation guidelines on their respective **POLYMERICA** Product Data Sheets.

CARE & MAINTENANCE

Granitech Floors must be protected from traffic, chemicals, and abuse during the cure process.

Newly installed floors should be cured a minimum of 18 hours at 65°F before washdowns. Only warm water should be used to clean within the first week. If use of a detergent is necessary in the first week, use only **MasterPiece PSD** dissolved in water. Sanitizing detergents containing chlorine or hypochlorite should not be used for at least 7 days.

Good housekeeping practices and regulated spill removal will prolong the service life of the floor. **MasterPiece Floors** are not self-cleaning nor always non-staining. The following cleaning procedures are recommended weekly or as needed.

- Spills must be removed and rinsed at the first opportunity. No spillage should be ignored and allowed to dry or soak into the floor.
- Sweep or vacuum loose dirt and debris daily.
- Mop or scrub floor weekly or as usage dictates.
- Use a neutral detergent, dissolved in water as directed by the manufacturer.
- **MasterPiece PSD** Polymer Surface Detergent is recommended for general purpose cleaning, however, proper cleaners should be selected for specific spillage residue or stains. Always allow cleaners time to loosen foreign matter. Always adhere to manufacturer's dilution ratio.
- If rinsing is required, always keep mop heads and buckets clean; change rinse water frequently to avoid streaking.
- Large or heavily soiled areas can be power scrubbed, then rinsed if required.
- High luster finishes or sealers can be applied if desired. Follow manufacture's directions. High speed buffing or spray buffing is generally not required, but can be incorporated in your maintenance program.
- Should the Granitech surface become damaged, gouged or deeply scratched, consult **POLYMERICA** Technical Department for specific repair techniques.

COLORS

Sixteen standard colors and 8 enhanced colors:
Check with sales department for availability.

SAFETY

MATERIAL SAFETY DATA SHEETS ARE AVAILABLE FROM **POLYMERICA** AND SHOULD BE CONSULTED PRIOR TO USE OF THE PRODUCT. THESE PRODUCTS ARE INTENDED FOR USE BY PROFESSIONALS ONLY. KEEP AWAY FROM CHILDREN AND THOSE NOT TRAINED IN THE USE AND POTENTIAL HAZARDS INVOLVED.

MASTERPIECE GRANITECH IS A THREE PART EPOXY SYSTEM. PART A CONTAINS EPOXY (RESIN). PART B CONTAINS AMINE-EPOXY ADDUCTS. PART C OR FILLER IS A DRY BLEND OF AGGREGATES. WORKERS SHOULD WEAR GLOVES, GOGGLES AND BODY COVERING CLOTHING WHEN MIXING OR APPLY PRODUCT. A RESPIRATOR SHOULD BE WORN AT ALL TIMES. AVOID BREATHING GRANITECH FILLER DUST. CLEAN UP WITH SOAP AND WARM WATER. BE SURE TO FOLLOW LABEL AND MSDS CAUTIONS.

WARRANTY

POLYMERICA warrants its products to conform to its manufacturing standards. **POLYMERICA** will replace or refund the purchase price of non-conforming product at the seller's option; such remedy being exclusive of all others and sole remedy available to the buyer. Buyer hereby expressly waives claim to additional damages. Any claim under this warranty must be made in writing within 7 days of discovery of non-compliance and no later than one year from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product data or warranty.

IMPORTANT NOTICE

These products are sold subject to the express warranties contained herein. There are no other warranties by **POLYMERICA** of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with its product. Buyer agrees that seller assumes no liability for remote or consequential damages of any kind which result from the use or misuse of the product. Information contained herein is based on data believed to be reliable, however, it is the Buyer's responsibility to satisfy itself of the suitability of the product for a particular purpose.

