**PACKAGING**

1/2 Gallon Unit Consists of:
- Part A – One Pint of Epoxy Resin (1 lb)
- Part B – Half a Pint of Hardener (0.5 lb)
- Part C - 5 lbs Silica

1 Gallon Unit Consists of:
- Part A - One Quart of Epoxy Resin (2 lbs.)
- Part B - One Pint of Hardener (1 lb)
- Part C - 10 lb Silica

2 Gallon Unit Consists of:
- Part A - Two Quart of Epoxy Resin (4 lb)
- Part B - One Quart of Hardener (2 lb)
- Part C - 20 lb Silica

**STORAGE**

Store in a cool, dry location at a temperature between 40˚F (4˚C) and 90˚F (32˚C). Do not store in direct contact with the ground or concrete. Store out of direct sunlight and protect from weather and other damage.

**DRIYING & CURING**

Allow freshly applied material to dry at least 24 hours before grouting or light foot traffic. Drying time may vary due to porosity of substrate and tile, climate, job conditions and should not take more than 24 hours at an ambient temperature of 70°F (21°C) and 55% humidity. When used to install tile in an area that will be continually wet (pools, fountains) allow complete installation to dry a minimum of 14 days before exposure to water. Material is fully cured in 28 days.

**STORAGE**

Store in a cool, dry location at a temperature between 40˚F (4˚C) and 90˚F (32˚C). Do not store in direct contact with the ground or concrete. Store out of direct sunlight and protect from weather and other damage.

**MATERIAL CALCULATOR**

Visit the Siena web site at www.SienaProducts.com and click on the “Material Calculator” tab for recommended products and to calculate the amount of materials needed for each project. Always follow all manufacturers’ recommendations and warranty information prior to any tile or stone installation.

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**Features & Benefits**

- **Motral & Grout Applications**: Water-Cleanable
- **Acid & Alkali Resistant**: Stain Resistant
- **Commercial & Industrial Use**: Available in 36 Colors

**Basic Uses**

Siena Epoxy Grout & Mortar is used as a grout and mortar for interior and exterior applications of most ceramic tiles, glass tiles, pavers, marble and stones. It can be used on floors, walls and in mortar beds from 1/16” up to 1/8” and grout joints from 1/16” up to 3/8”. Siena Epoxy Grout & Mortar is used in residential and commercial projects where high performance, chemical and stain resistance is required such as walls, floors, countertops, vanities, showers, pools, etc.

**Recommended Substrates**

Suitable substrates, when properly prepared, include: Masonry block and brick, concrete (28 days), cement backer units (per manufacturers’ specifications), fully cured portland cement mortar beds (28 days), properly prepared existing tile, exterior grade plywood (only on residential dry interior floors, walls and countertops), steel, glass and fiber glass.

**Surface Preparation**

All surfaces to receive application must be stable, structurally sound, dry, clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, cutback residue, and cleaning solutions that would hinder proper bond. Ensure that all surfaces are free of any coatings, sealers, adhesive residues or gypsum-based underlayments. Smooth or painted cementitious surfaces can be prepared by sandblasting or scraping. Protect areas around the application from exposure to epoxy. The surface temperature during and in the next 48 hours after the application should be between 65°F and 95°F. For more complete installation procedures see the TCNA (Tile Council of North America) Handbook sections F-143, F-131, TR-711 and TR-912 and ANSI A108.6.

**Mixing**

In a clean pail, pour Part A and B and mix thoroughly with a margin trowel or a low speed mixer (300 RPM). While mixing slowly add Part C. Do not overmix. Overmixing will entrap too much air, and can also cause the epoxy to flash set.

**Maintenance**

Consult tile or stone manufacturer for maintenance. Use a neutral pH cleaner for floors and rinse with clean water. Remove any fatty acids and oils from the grout as soon as possible to prevent damage. Avoid using “No rinse” cleaning solutions on epoxy.
Epoxy Grout & Mortar

TECHNICAL DATA

| Tensile Strength 7 Days | >7000 psi |
|---------------------------------------------------------------|
| Initial Set @ 75°F (24°C) | >1% |
| Minimum Tensile Strength | 7 Days |
| Accelerated Cure Time | 24 hours |
| Joint Depth | 2/3 the thickness of the tile |
| Tensile Strength 7 Days | >2000 psi |

COVERAGE

As Mortar - 3/16" x 1/4" V-Notch = 36 sq.ft per gallon

As Grout - Per 1 Gallon Unit

APPLICATION

As A Mortar

Allow the tile mortar to set for 48 hrs before grouting. Check that the grout joint depth is at least 2/3 the thickness of the tile. Make sure the tile is clean and free of contaminants that could stain the grout. Grout releases can help preventing epoxy film on unglazed tile or stone. Using a hard rubber float with sharp edges, fill the joints completely with the grout leaving them flush with the tile edges. Apply material as needed to cover all voids and gaps and to ensure that the material is well compacted. Remove excess grout by holding the float at a 90° angle to the tile surface and drag in a diagonal direction to the grout joints. Make sure that the grout is flush with the tiles. Immediately clean any residual grout from the surface of the tiles before applying another unit. Do not allow the grout to set on the tile. Without disturbing the freshly applied grout, scrub the tile surface with a scouring pad to loosen the epoxy film and then use plenty of sponges and water to remove the epoxy but be careful to protect un-grouted joints from water. The final cleaning is done by dragging a damp towel diagonally to the joints. Frequently rinse the towel with clean water to avoid epoxy buildup. Let the tiles dry for a couple hours then check again for any residue. Repeat cleaning as needed.

TECHNICAL ASSISTANCE

Technical information is available on our web site at: SienaProducts.com, by calling Omega Products International at: 800.600.6634, or by email at: info@omega-products.com

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