

# ENDURANCE 1500 TILE GROUT

## Product Information Sheet



## DESCRIPTION

**ENDURANCE 1500** is a user friendly, water cleanable, 100% solids epoxy grout and adhesive. Used for grouting ceramic tile, brick pavers, and stone. **Endurance 1500** is supplied in pre-packaged kits containing resin, hardener, and aggregates that produce a dense uniform seal. Typical applications for **Endurance 1500** require resistance to thermal shock, chemicals, and heavy traffic.

## ADVANTAGES

- User friendly packaging
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Meets ANSI-A-118.3 specification for chemical resistant, water cleanable epoxy grout
- Low viscosity—good wetting properties
- Versatile—for both setting and grouting all types of tile
- Meets USDA requirements

## CONSIDERATIONS

- Some tiles and pavers can be stained by color pigments in **Endurance 1500**. Test small area to determine results before grouting entire surface
- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Protect from exposure to chemicals and harsh cleaners until fully cured

## COLOR SELECTION

**Endurance 1500** is available in standard colors and custom color matching is available, restrictions apply.

## COMPOSITION

100% epoxy resin and grout fillers.

## CURE/DRY TIME

Working Life	45 mins @ 75°F
Dry to Touch	6-7 hrs @ 75°F
Recoat	10-12 hrs @ 75°F
Light Foot Traffic Service	20-24 hrs @ 75°F
Full Cure & Max. Resistance	5 Days @ 75°F

## APPLICATION

### SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful tile flooring system application. Before grouting, clean joints and the tile surface with a damp sponge to remove dust, dirt, and other contaminants. Do not leave water standing in joints. Do not clean tiles with acid cleaners.

### MIXING INSTRUCTIONS

Empty entire contents of Part A and Part B into a clean mixing pail. With a slow speed drill, mix until liquids are completely blended, yields 1 mixed gallon when all three components are blended together. Add Part C slowly and mix until all of the aggregates are incorporated and no lumps remain. Confirm that the material is fully mixed before beginning project.

### INSTALLATION AND CLEANUP

Place mixed **Endurance 1500** onto working area. Following standard epoxy and grouting techniques, apply to surface using a rubber grout float. Be sure all grouted joints are completely filled. If grout sags out of vertical wall joints during installation, wait an additional 15 minutes for grout to firm up in the bucket. Do not leave excess grout on the face of the tiles. After the grout has been floated into the work area and the excess has been removed, wait about 10-15 minutes, and then begin clean-up of the tiles. Using light pressure with a white plastic scrub pad or an epoxy sponge and clean water, wipe in circular motions to remove grout from the surface. Avoid water migration into non-grouted joints. Change cleaning water and scrub pads/sponges often to avoid leaving a sticky film on the tile.

Clean tools with soap and water. Consult Safety Data Sheet (SDS) for safety and health precautions.

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### TECHNICAL DATA

Mixing Ratio	Pre-Packaged Kit
Solids Content	100% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	0 g/L, compliant to low VOC Rule 1113 in all 50 states

### AVAILABILITY

**Endurance 1500** is available online at our website, [www.grout360.com](http://www.grout360.com). Orders are shipped by UPS Ground as Air shipments are restricted due to the reactive nature of the resin and hardeners. The product comes prepackaged in 11 lb units or approximately 1 gallon of mixed material. The three components, A, B, and C, are shipped in a 2 gallon pail that can be used for mixing.

### PHYSICAL PROPERTIES

Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Compressive Strength	ASTM C579	15,000 psi
Flexural Strength	ASTM C580	3,800-4,000 psi
Heat Resistance		160°F Continuous 230°F Intermittent
Tensile Strength	ASTM D307	2,000-2,500 psi
Water Absorption	24 hours	0.15%

### MAINTENANCE

After completing the application of **Endurance 1500**, the installer should provide the owner with maintenance instructions. **Endurance 1500** is easily cleaned with neutral soaps or detergents.

### TECHNICAL SERVICE

Email any questions regarding this product to [orders@grout360.com](mailto:orders@grout360.com).

### WARRANTY

**Grout360 LLC** warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed, and applied in accordance with recommendations of Grout360. If any product fails to meet this warranty, the liability of Grout360 will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Grout360 within (1) one year of delivery of materials. Grout360 may in its discretion refund the price received by Grout360 in lieu of replacing the material. No customer, distributor, or representative of Grout360 is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Grout360. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Grout360 reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. Grout360's OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND Grout360 SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.