

# **#179R TILE, GROUT, AND NATURAL STONE CLEANER/DEGREASER**

## **NON-HAZADOURS, NON-CORROSIVE, NON-COMBUSTIBLE HEAVY-DUTY TILE AND GROUT CLEANER**

### **USAGE DIRECTIONS:**

#179R Tile, Grout, and Natural Stone Cleaner/Degreaser is a highly concentrated, powerful, economical, and versatile cleaner/degreaser. Because most cleaning and degreasing applications are unique to themselves, the following are only general recommendations for product application.

Unlike most cleaners and degreasers that allow residue and oils to redeposit on the stone surface, #179R breaks down unwanted residue and oils and then puts them in a colloidal solution for safe and efficient removal. This product is a safe, deep penetrating, bio-based liquid.

Before starting a large cleaning job, we recommend that the following procedure be performed on a small area of the material to be cleaned.

**Caution:** Do not use this product on grout or caulk that contains siliconized acrylic latex; because, this will either cause the bond to fail or remove the caulk. #179R cleaning solution should not stay on lime or epoxy grout for longer than five minutes. If you leave the #179R solution on any grout areas longer than 15 minutes it may result in failure or weakening of the grout and may result in having to re-grout failed or removed grout areas

### **HAND CLEANING TILE AND GROUT**

1. Apply the solution to the area to be cleaned. Let the solution sit on the area to be cleaned for about one minute, then scrub with a stiff bristle brush. Apply more of the solution as needed and scrub until the area is clean.
2. Rinse with clean water and let dry.
3. If after one application the product has not completely removed the problem, apply more product and let the solution sit on the area for another 10-15 minutes and repeat steps 1 and 2.

### **HAND CLEANING GRANITE**

Granite is a crystalline silicate stone and can have microscopic voids between the crystals; therefore, it is susceptible to water-based stains such as, water spots caused by calcium deposits and common oil-based stains such as bacon grease and cooking oil.

### **Required Materials for Cleaning are:**

- a. Norton #2 coarse pad (or equal) for water spots (calcium deposits) and oils on the stone surface.
- b. Superiorblit white scrub pad No 85-10w Pad (or equal) for polishing the stone surface before applying the granite sealer.

1. Apply the #179R cleaning solution to the area to be cleaned. Let the solution sit on the area to be cleaned for about one or two minutes, then scrub with #2 coarse pads or polishing pads. Apply more of the #179R solution as needed, while either scrubbing or polishing problem areas such as stains, watermarks.

2. Rinse with clean water, let dry, and re-apply the correct sealer purchased from a professional Tile and Stone Care Store.

**Note:** Using the correct cleaner is a must before re-sealing any granite or stone surface. Therefore, we recommend using Maximum Advantage Natural Stone Cleaner #149R to clean and remove any difficult to remove hard water or calcium deposits.

### **HAND CLEANING POLISHED MARBLE, TRAVERTINE, AND LIMESTONE**

Polished Marble, travertine, and limestone are more porous and less dense than granite. Because these are calcite stones, acid-based items such as coffee, mustard, wine, and vinegar cause stains to the surface; therefore, cleaners having large amounts of volatile organic compounds or acid will either etch or slowly eat away at the stone. The #179R cleaning solution will not etch or eat way the natural stone.

#### **Required Materials for Cleaning are:**

- a. Norton #2 coarse pad (or equal) for water spots (calcium deposits) and oils on the stone surface.
- b. Superiorblit white scrub pad No 85-10w Pad (or equal) for polishing the stone surface before applying the granite sealer.

1. Apply the #179R cleaning solution to the area to be cleaned. Let the solution sit on the area to be cleaned for about one or two minutes, then scrub with #2 coarse pads or polishing pads. Apply more of the #179R solution as needed, while either scrubbing or polishing problem areas such as stains, watermarks.

2. Rinse with clean water, let dry, and re-apply the correct sealer purchased from a professional Tile and Stone Care Store.

### **HAND CLEANING HONED AND TUMBLED SURFACES**

The distinctive, rough texture of honed or tumbled stone is a very popular aesthetic, but presents unique challenges for cleaning and protection because, it has more gaps and cavities per square inch than any other stone finish, this increases the stone's vulnerability to etching from common acidic products and to mold growth from organic residue settling in the irregularities of the surface, especially in damp areas such as showers or baths.

#### **Required Materials for Cleaning are:**

Stiff bristle brushes of different sizes in order to clean all the small gaps and cavities in the natural stone.

- b. Norton #2 coarse pad for water spots (calcium deposits) and oils on the stone surface.
- c. Superiorblit white scrub pad No 85-10w Pad (or equal) for polishing the stone surface before applying the stone sealer.

1. Apply the solution to the area to be cleaned. Let the solution sit on the area to be cleaned for about one to four minutes, then scrub with a stiff bristle brush. Apply more of the #179R solution as needed while scrubbing the area being cleaned. Use the polishing pad for finally stage before step 2.

2. Rinse with clean water, let dry, and re-apply the correct sealer purchased from a professional Tile and Stone Care Store.