# STONE
℞
# MEDIC®

**Professional Stone Floor Care Solutions**

# Maintenance Procedure Guide

# STONE MEDIC

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# StoneMedic® Professional Stone Floor Care Solutions

StoneMedic makes it easier than ever to maintain beautiful, long-lasting stone floors. This system delivers the products, tools and training needed to properly care for natural stone surfaces. StoneMedic is designed to:

• Protect the natural beauty of stone.

• Reduce the number of maintenance steps.

• Cost-effectively maintain a beautiful floor.

• Safely care for all stone surfaces with a comprehensive line of products.

## The Ideal Solution for Facility Owners and BSC's

StoneMedic technology makes it easier than ever for facility owners and BSC´s to maintain stone surfaces and expand their service offerings. This technology includes the products, equipment, abrasives and training needed to care for all types of natural and ceramic stone, including:

| | | | |
|---|---|---|---|
| Granite | Porcelain | Ceramic | |
| Quarry Tile | Marble | Slate | |
| Brownstone | Terrazzo | Quartzite | Limestone |

For compatibility of Stonemedic products with other stone floors, see your Ecolab representative.

## Innovative Solutions, Proven Results

StoneMedic Professional Stone Floor Care Technology is designed to improve your productivity through product and application innovation. This technology is the first to deliver near-factory finishes on installed floors. Proven in the field for over 25 years, StoneMedic technology is second to none for quality and application efficiency.
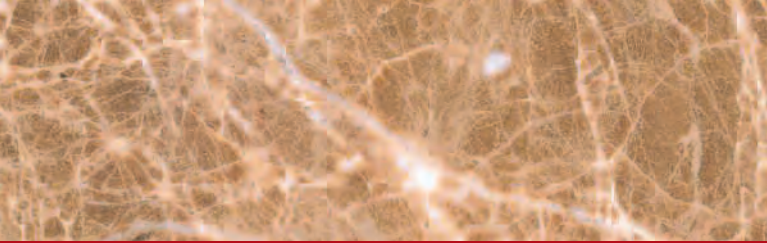
# MARBLE

*Enhance and protect your marble floor investment with StoneMedic products. When used in a regular maintenance program, the StoneMedic product line will cost effectively boost marble's natural beauty and protect against stains and wear.*
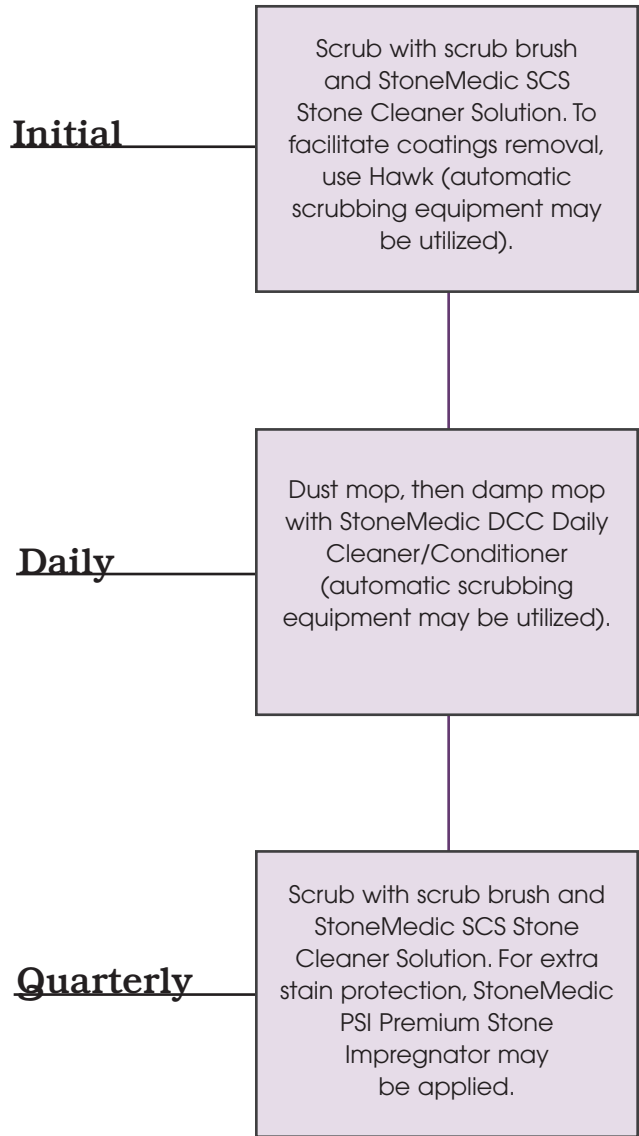
## Unpolished Marble

### Compounds Required

- StoneMedic® SCS Stone Cleaner Solution™
- Hawk™
- StoneMedic® DCC Daily Cleaner/Conditioner™
- StoneMedic® PSI Premium Stone Impregnator™

### Equipment Required

- Clean, Looped-End Blended Mop
- Mighty Max Floor Machine
- Mop Bucket w/Wringer
- Scrub Brush
- Pump-Up Sprayer (Optional)
- Wet Vacuum (Optional)
- Autoscrubber (Optional)

**NOTE:** New or refinished installations should be impregnated to facilitate long-term stain protection and ease of cleaning. If color enhancement and/or gloss is desired, use appropriate impregnator or sealer.

**Initial** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. To facilitate coatings removal, use Hawk (automatic scrubbing equipment may be utilized).

**Daily** — Dust mop, then damp mop with StoneMedic DCC Daily Cleaner/Conditioner (automatic scrubbing equipment may be utilized).

**Quarterly** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. For extra stain protection, StoneMedic PSI Premium Stone Impregnator may be applied.

# Polished Marble

## Compounds Required

- StoneMedic DCC Daily Cleaner/Conditioner
- StoneMedic SCS Stone Cleaner Solution
- StoneMedic® MPC Marble Polishing Compound™, StoneMedic® PPP Pre-Polish Powder™, StoneMedic® PRC Polish Restoring Cream™
- StoneMedic Premium Stone Impregnator
- Hawk

## Equipment Required

- Brown Floor Pad
- Clean, Looped-End Blended Mop
- Galaxy or Aurora Diamonds
- Mighty Max Floor Machine
- Mop Bucket w/Wringer
- Red or Natural Fiber Floor Pad
- Pump Up Sprayer (Optional)
- Scrub Brush
- Wet Vacuum
- White Floor Pad
- Autoscrubber (Optional)

**NOTE:** New or refinished installations should be impregnated to facilitate long-term stain protection and ease of cleaning.

**Initial** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. To facilitate coatings removal, use Hawk (automatic scrubbing equipment may be utilized).

**Daily** — Dust mop, then damp mop with StoneMedic DCC Daily Cleaner/Conditioner (automatic scrubbing equipment may be utilized).

**As Needed** — Restore polish in traffic patterns with StoneMedic MPP Marble Polishing Compound, StoneMedic PPP Pre-Polish Powder, and StoneMedic PRC Polishing Restoring Cream.

**Quarterly** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. For extra stain protection, StoneMedic PSI Premium Stone Impregnator may be applied.

**Annual** — Evaluate the results achieved with StoneMedic MPC Marble Polishing Compound and PPP Pre-Polish Powder, and StoneMedic PRC Polish Restoring Cream. If necessary, scratches can be removed using StoneMedic PPP Pre-Polish Powder or diamonds.
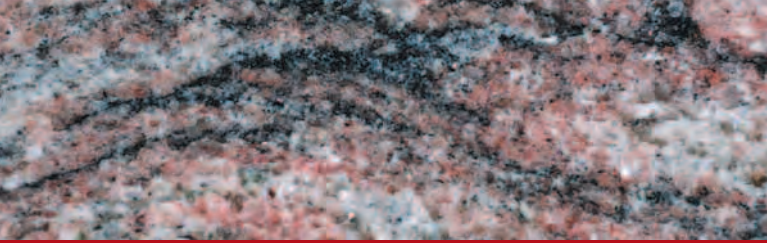
# GRANITE

*Enhance and protect your granite floor investment with StoneMedic products. When used in a regular maintenance program, the StoneMedic product line will cost effectively boost granite's natural beauty and protect against stains and wear.*
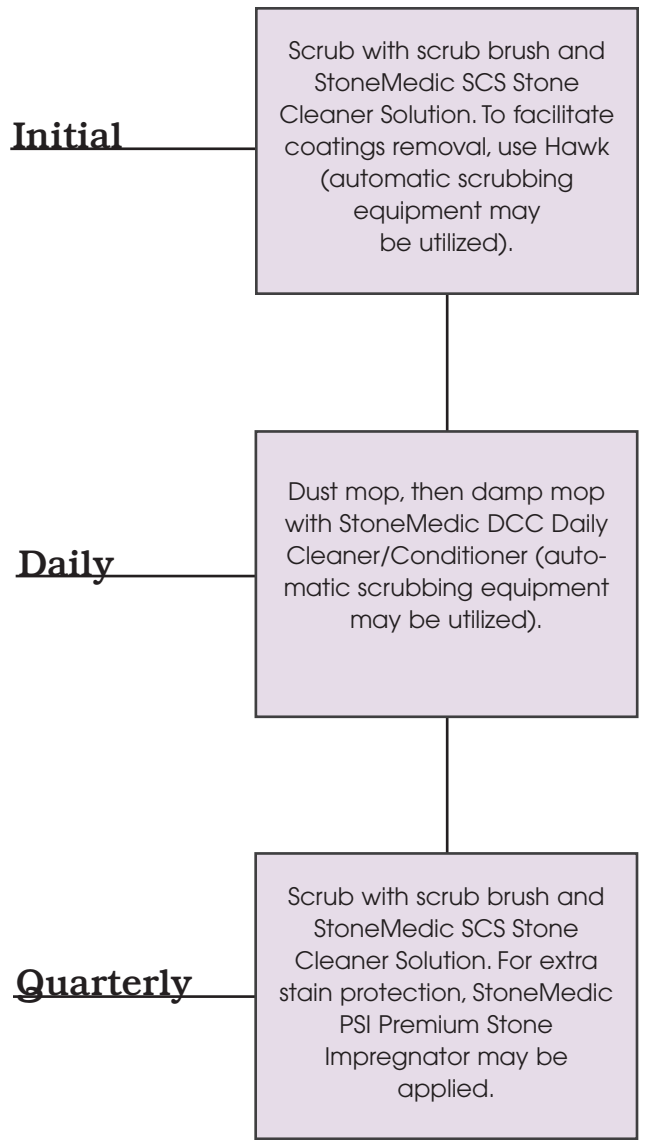
## Unpolished Granite

### Compounds Required

- StoneMedic DCC Daily Cleaner/Conditioner
- StoneMedic SCS Stone Cleaner Solution
- Hawk
- StoneMedic PSI Premium Stone Impregnator

### Equipment Required

- Clean, Looped-End Blended Mop
- Rotary Floor Machine
- Autoscrubber (Optional)
- Mop Bucket w/Wringer
- Scrub Brush
- Wet Vacuum (Optional)
- Pump-Up Sprayer (Optional)

**NOTE:** New or refinished installations should be impregnated to facilitate long-term stain protection and ease of cleaning. If color enhancement and/or gloss is desired, use appropriate impregnator or sealer.

**Initial** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. To facilitate coatings removal, use Hawk (automatic scrubbing equipment may be utilized).

**Daily** — Dust mop, then damp mop with StoneMedic DCC Daily Cleaner/Conditioner (automatic scrubbing equipment may be utilized).

**Quarterly** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. For extra stain protection, StoneMedic PSI Premium Stone Impregnator may be applied.

# Polished Granite

## Compounds Required

- StoneMedic DCC Daily Cleaner/Conditioner
- StoneMedic SCS Stone Cleaner Solution
- StoneMedic® GPC Granite Polishing Cream™
- StoneMedic PSI Premium Stone Impregnator

## Equipment Required

- Brown Floor Pad
- Clean, Looped-End Blended Mop
- Turbo Diamonds
- Mighty Max Floor Machine
- Autoscrubber (Optional)
- Mop Bucket w/Wringer
- Red or Natural Fiber Floor Pad
- Scrub Brush
- Pump Up Sprayer (Optional)
- Wet Vacuum
- White Floor Pad

**NOTE:** New or refinished installations should be impregnated to facilitate long-term stain protection and ease of cleaning.

**Initial** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. To facilitate coatings removal, use Hawk (automatic scrubbing equipment may be utilized).

**Daily** — Dust mop, then damp mop with StoneMedic DCC Daily Cleaner/Conditioner (automatic scrubbing equipment may be utilized).

**As Needed** — Restore polish in traffic patterns with StoneMedic GPC Granite Polishing Cream.

**Quarterly** — Scrub with scrub brush and StoneMedic SCS Stone Cleaner Solution. For extra stain protection, StoneMedic PSI Premium Stone Impregnator may be applied.

**Annual** — Evaluate the results achieved with StoneMedic GPC Granite Polishing Cream. If necessary, heavy scratches can be removed using Turbo Diamonds.
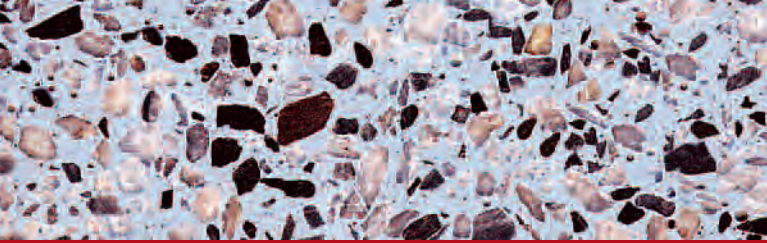
# TERRAZZO

*Enhance and protect your terrazzo floor investment with StoneMedic products. When used in a regular maintenance program, the StoneMedic product line will cost effectively boost terrazzo's natural beauty and protect against stains and wear.*

## Terrazzo *Routine Maintenance*

### Compounds Required

- StoneMedic DCC Daily Cleaner/Conditioner
- StoneMedic SCS Stone Cleaner Solution
- StoneMedic MPC Marble Polishing Compound
- StoneMedic PSI Premium Stone Impregnator
- StoneMedic® TMC Terrazzo & Marble Crystallizer™

### Equipment Required

- Clean, Looped-End Blended Mop
- Jumbo Steel Wool Pad #0
- Mighty Max Floor Machine
- Autoscrubber (optional)
- Mop Bucket w/Wringer
- Red Floor Pad
- Wet Vacuum
- White Floor Pad
- Pump-up Sprayer (optional)

**NOTE:** New or refinished installations should be impregnated to facilitate long-term stain protection and ease of cleaning.

**Daily** — Dust mop, then damp mop with StoneMedic DCC Daily Cleaner/Conditioner (automatic scrubbing equipment may be utilized).

**Quarterly** — Scrub with StoneMedic SCS Stone Cleaner Solution and red floor pads (automatic scrubbing equipment may be utilized). For extra stain protection, StoneMedic PSI Premium Stone Impregnator may be applied.

**As Needed** — Restore polish in traffic pattern with StoneMedic MPC Marble Polishing Compound or StoneMedic TMC Terrazzo & Marble Crystallizer.
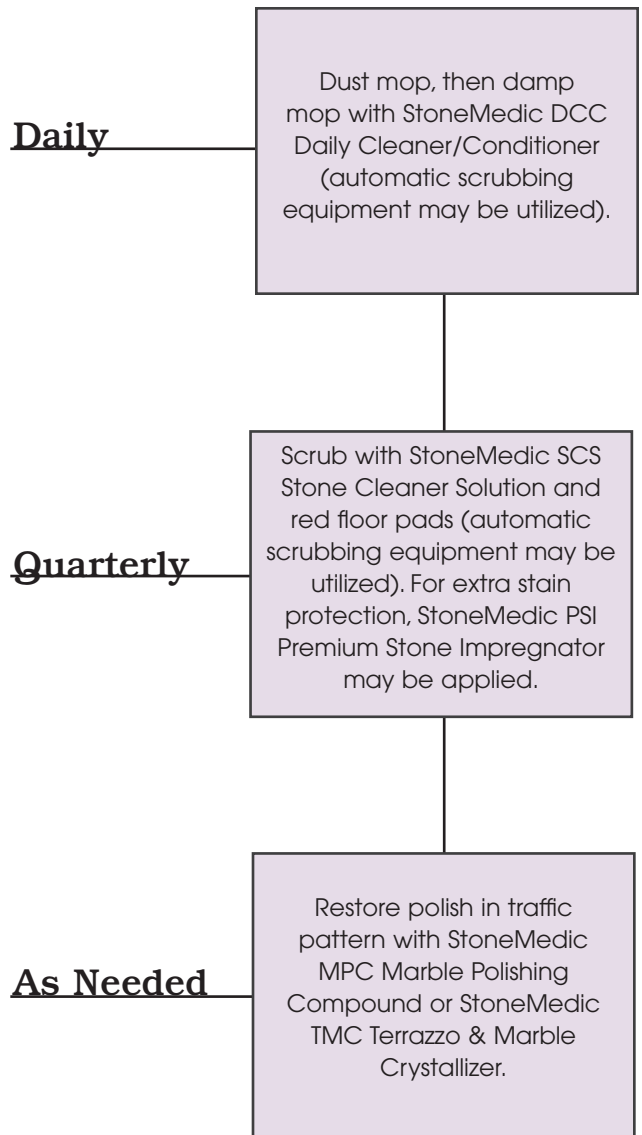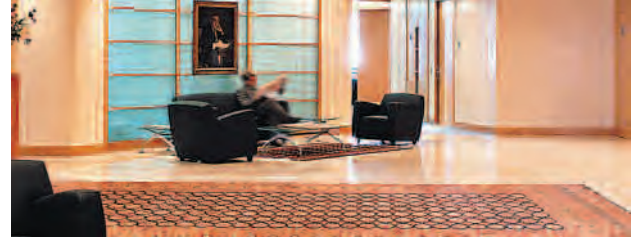
## **Terrazzo** *Conversion Process from*
*Floor Finish to Natural Polish*

### Compounds Required

- StoneMedic MPC Marble Polishing Compound
- StoneMedic TMC Terrazzo & Marble Crystallizer
- StoneMedic PSI Premium Stone Impregnator
- Hawk

### Equipment Required

- Clean, Looped-End Blended Mop
- Aurora or Galaxy Diamonds
- Jumbo Steel Wool Pads #0
- Mighty Max Floor Machine
- Autoscrubber (optional)
- Mop Bucket w/Wringer
- Moss Rubber Floor Squeegee
- Pump-up Sprayer (optional)
- Red and Brown Floor Pads
- Wet Vacuum

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Remove all floor finish with Hawk.

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Refinish with Aurora or Galaxy Diamonds through at least a #5 (800 g) finish. Polish with StoneMedic MPC Marble Polishing Compound.

↓

**Optional** — For increased stain resistance, impregnate with StoneMedic PSI Premium Stone Impregnator.

REMOVE ALL EXCESS. ALLOW 24 HOURS FOR FULL CURE.

↓

Begin routine maintenance program.

Reference page 8.

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**Optional**
(after 24-hour drying time) — Crystallize with StoneMedic TMC Terrazzo & Marble Crystallizer.

# CERAMIC TILE

*Enhance and protect your ceramic floor and quarry tile investment with StoneMedic products. When used in a regular maintenance program, the StoneMedic product line will cost effectively boost ceramic's natural beauty and protect against stains and wear.*
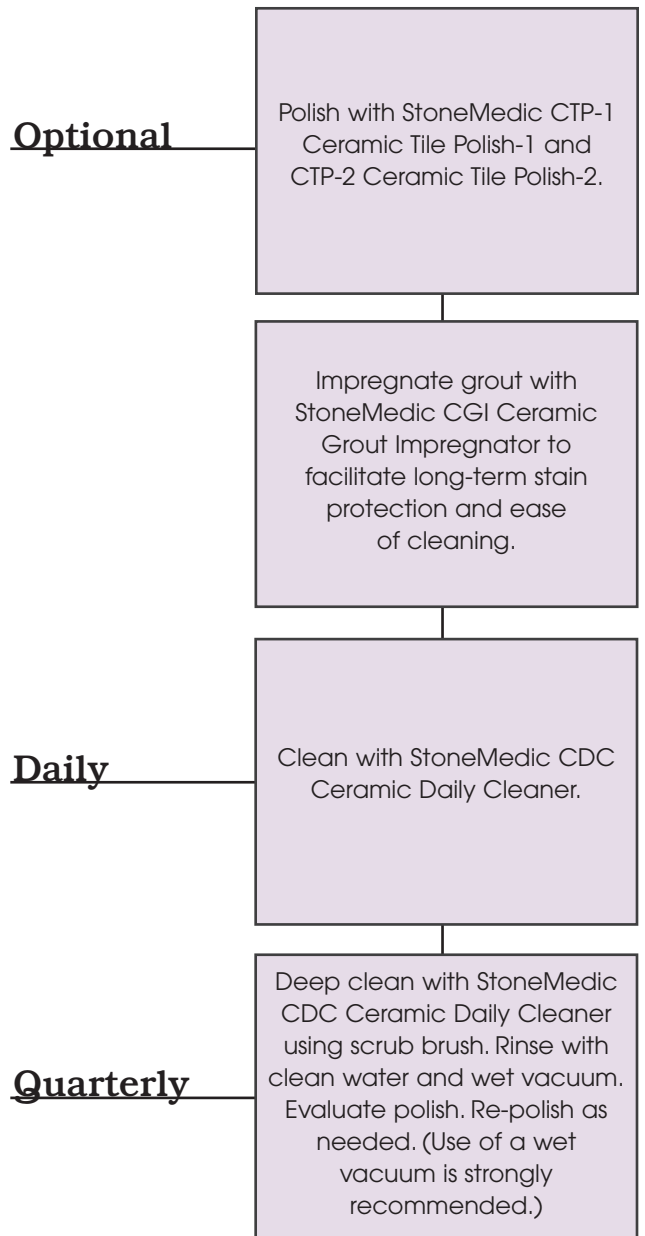
## Porcelain Tile

### Compounds Required

- StoneMedic® CGI Ceramic Grout Impregnator™
- StoneMedic® CTP-1 Ceramic Tile Polish-1™
- StoneMedic® CTP-2 Ceramic Tile Polish-2™
- StoneMedic® CDC Ceramic Daily Cleaner™

### Equipment Required

- Clean, Looped-End Blended Mop
- Mighty Max Floor Machine
- Mop Bucket w/ Wringer
- Moss Rubber Floor Squeegee
- Natural Fiber Floor Pad
- Pump-up Sprayer
- StoneMedic Pre-Polish Brush
- Scrub Brush
- Wet Vacuum

**Optional**

Polish with StoneMedic CTP-1 Ceramic Tile Polish-1 and CTP-2 Ceramic Tile Polish-2.

Impregnate grout with StoneMedic CGI Ceramic Grout Impregnator to facilitate long-term stain protection and ease of cleaning.

**Daily**

Clean with StoneMedic CDC Ceramic Daily Cleaner.

**Quarterly**

Deep clean with StoneMedic CDC Ceramic Daily Cleaner using scrub brush. Rinse with clean water and wet vacuum. Evaluate polish. Re-polish as needed. (Use of a wet vacuum is strongly recommended.)

# Quarry Tile

## Compounds Required

- StoneMedic CGI Ceramic Grout Impregnator
- StoneMedic CTP-1 Ceramic Tile Polish-1
- StoneMedic CTP-2 Ceramic Tile Polish-2
- StoneMedic CDC Ceramic Daily Cleaner

## Equipment Required

- Clean, Looped-End Blended Mop
- Mighty Max Floor Machine
- Mop Bucket w/ Wringer
- Moss Rubber Floor Squeegee
- Natural Fiber Floor Pad
- Pump-up Sprayer (optional)
- StoneMedic Pre-Polish Brush
- Scrub Brush
- Wet Vacuum

**Optional** — Polish with StoneMedic CTP-1 Ceramic Tile Polish-1 and CTP-2 Ceramic Tile Polish-2.

Impregnate grout with StoneMedic CGI Ceramic Grout Impregnator to facilitate long-term stain protection and ease of cleaning.

**Daily** — Clean with StoneMedic CDC Ceramic Daily Cleaner.

**Quarterly** — Deep clean with StoneMedic CDC Ceramic Daily Cleaner using scrub brush. Rinse with clean water and wet vacuum. Evaluate polish. Re-polish as needed. (Use of a wet vacuum is strongly recommended.)

# Periodic Anti-Slip Treatment

## Compounds Required

- StoneMedic® AST Anti-Slip Treatment™

## Equipment Required

- Clean, Looped-End Blended Mop

- Mighty Max Floor Machine or High Speed Burnisher (optional)

- Mop Bucket w/ Wringer

- White Pad

- Autoscrubber (optional)

**Daily** — Clean floors daily with appropriate maintenance product (automatic scrubbing equipment can be utilized).

**Twice-Weekly** — Twice a week, substitute StoneMedic AST Anti-Slip Treatment for your daily cleaner.

Buff with white pad, if necessary.

# Impregnation/Sealing

*Provides Enhanced Long-Term Stain Protection and Cost-Effective Maintenance*

## Compounds Required

- StoneMedic PSI Premium Stone Impregnator
- StoneMedic CGI Ceramic Grout Impregnator

## Equipment Required

- Brown Floor Pad
- Moss Rubber Squeegee
- Short Knapp Paint Roller
- Solvent Resistant Pump-up Sprayer
- White Terry Cloth Towel

**WARNING**: Prior to impregnating or sealing, all stone surfaces must be free of all topical coatings and dirt. Allow 6-12 hours after intensive cleaning for floors to dry completely.

**NOTE:** On new installations, allow 5-7 days prior to impregnation or sealing for full cure.

Remove all floor finish with Hawk, then clean with StoneMedic SCS Stone Cleaner Solution using proper rotary brush.
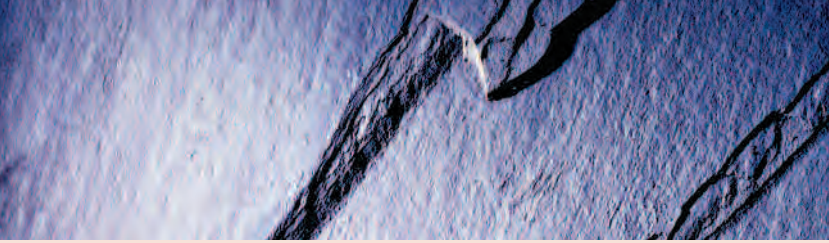
ALLOW TO DRY
6-12 HOURS.

Impregnate with appropriate product.

REMOVE ALL EXCESS.

ALLOW 24 HOURS FOR FULL CURE.

Begin appropriate daily maintenance procedure.

# Stonemedic Product Application Rates

| Product | Approximate Sq Ft Coverage | Approximate Sq Meter Coverage |
|---|---|---|
| Stone Cleaner Solution | 2,750/Gallon | 68/L |
| Ceramic Daily Cleaner | 60,000/Gallon | 1483/L |
| Pre-Polish Powder | 200/lb | 8/kg |
| Ceramic Intensive Cleaner | 2,750/Gallon | 68/L |
| Anti-Slip Treatment | 20,000/Gallon | 494/L |
| Daily Cleaner/Conditioner | 65,000/Gallon | 1606/L |
| Granite Polishing Cream | 500/Quart | 49/L |
| Premium Stone Impregnator | 1,000/Gallon | 25/L |
| Polish Restoring Cream | 750/Quart | 74/L |
| Marble Polishing Compound | 250/lb | 11/kg |
| Ceramic Tile Polish-1 | 100/lb | 4/kg |
| Ceramic Tile Polish-2 | 100/lb | 4/kg |
| Stone Protect Solvent | 1,000/Gallon | 25/L |
| Terrazzo & Marble Crystallizer | 15,000/Gallon | 371/L |

Actual coverage may vary depending on application, technique, dilution rate and surface condition.
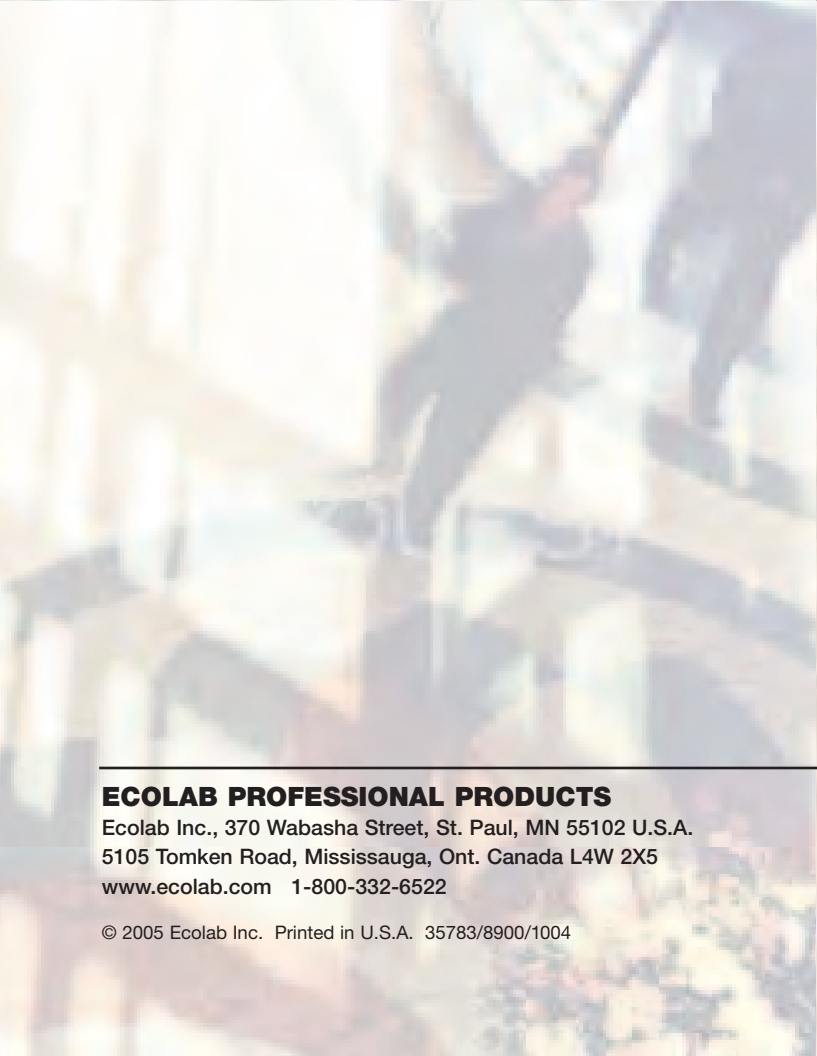
# Jobsite Evaluation Questions

*To properly inform your Ecolab Technical Representative*

1. What is the overall condition of installation?

2. What are the customer's expectations?

3. What are the current maintenance procedures?

4. What type of facility is it (ie: office, lobby, airport, etc.)?

5. What type of surface is it (ie: interior, exterior, wall or floor)?

6. What is the size of the space (ie: sq ft, sq meters)?

7. What is the size of each individual tile? Is there a pattern of different colors, sizes or types?

8. What is the material (ie: stone, ceramic)?

9. Does the surface react to acid?

10. What color is the surface? Are surface types mixed?

11. Is there a coating on the floor?

12. Has the stone been crystallized? For how long?

13. What is the surface finish (ie: polished, honed, textured)? Are they mixed?

14. How bad is lippage (uneven tiles)? Has the floor been previously re-finished?

15. What is the condition of the grout lines?

16. What is the original color of the grout?

17. What is the width of the grout?

18. What type of grout is it? Sanded, unsanded or epoxy?

# Productivity rates using a 17" Mighty Max Machine

| Activity | Sq Ft/Hour | Sq Meters/Hour |
| --- | --- | --- |
| **Refinishing Marble** (light lippage removal to polish) | 25-50 | 2.32-4.65 |
| **Refinishing Granite** (light lippage removal to polish) | 6-10 | 0.56-0.93 |
| **Polishing Marble with StoneMedic Marble Polishing Compound** | 250-500 | 23.23-46.47 |
| **Polishing Granite with StoneMedic Granite Polishing Cream** | 125-250 | 11.62-23.23 |
| **Stripping with Hawk** | 750 | 69.7 |
| **Polishing Ceramic with Ceramic Tile Polish-1 and Tile Polish-2** | 75-100 | 6.97-9.29 |

ECOLAB®