

Installation, Finishing & Care / Smooth, Terrazzo, FLEKK (honed and polished)

The following is an outline Sadlerstone installation, finishing and care procedures for a typical installation. Various installation conditions and types of sub-floors, dimensions of tiles (with a single dimension greater than 800mm/32") and end uses require different approaches or additional steps in the installation preparation, method and materials. In such cases, provide the project engineer with details of the technical characteristics of Sadlerstone tiles and tile dimensions for the engineer to assist with drawing up a specification. For atypical installations or for further advice, please contact Sadlerstone or your Mapei adhesive specialist.

We suggest using the Sadlerstone System to ensure a beautiful, durable and low maintenance floor.

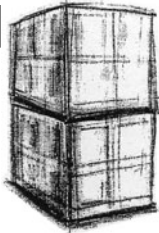
Adhesive / Mapei Granirapid

Grout / To Architects Spec

Sealer / High Quality Impregnator

Cleaner / Neutral Detergent

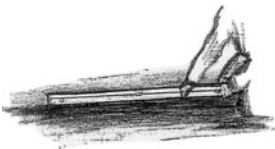
1



Store

- Handle consignment with care and inspect carefully.
- Store crates indoors, away from direct sunlight, and on a level surface.
- No more than one crate can be stacked on top of another.
- Where extreme climate differences are apparent between stored and installed environments, allow tiles to season in final installation environment in open crates for a period of four days.

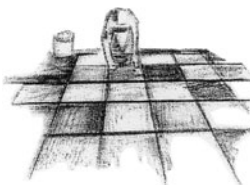
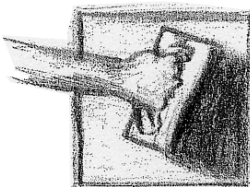
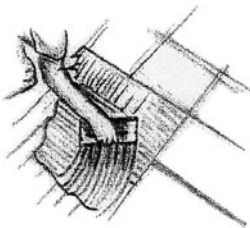
2



Prepare Substrate

- Ensure substrate is level and free from grease, wax, dirt, sealers, acids, curing compounds, and old adhesives.
- Slab and/or screed must be cured to a minimum 5.5% moisture content.
- Where water can penetrate tile from below, ensure water-proofing membranes are used in slab.
- To obtain a high bonding strength on a mortar bed or screed, use a latex-additive adhesive such as Mapei Planicrete SP.
- For unusual installations, e.g. timber floor substrates, contact your Mapei representative for a short-form specification.

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Install

- Install over clean, level, cured substrate.
- Apply Sadlerstone recommended adhesive—Mapei Granirapid—a premium-quality, fast-setting, latex-based adhesive.
 - Do not dilute with water
 - Use a notch trowel (No. 6 is recommended)
- **BLEND:** always blend tiles to enhance natural tonal variations.
- Tiles should be cut using a wet saw.
- **BACKBUTTER:** always backbutter 100% of the back of all tiles using the side of the trowel.
- Handset tiles into position. Do not mallet as excessive force can cause fractures.
- Use a quality proprietary cement grout such as Sadlerstone recommended Mapei Ultracolor Plus. Grout joints should be 0.5% of the longest tile edge.
- Remove spills, adhesive and grout immediately. Do not allow to set or dry on surface.
- Cover installed tiles with hardboard or carpet underlay.
- Do not use duct or gaffer tape, bleached acids, plain water, or polysolvents on tiles.

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Clean



- Sadlerstone recommends the Twister™ Diamond Cleaning System. The Twister™ system features patented cleaning and polishing pads as well as special formulated CLEANER. Twister™ pads can be mounted on all existing cleaning machinery. While Sadlerstone recommends the services of floor-cleaning professional, the following is a summary of the necessary cleaning steps:
 - **BUFF:** Apply Twister™ CLEANER to surface in liberal quantities and in manageable sections. Using a buffing machine and a white Twister™ pad, work machine in all directions ensuring surface does not dry.
 - Remove developed slurry from surface with a wet-vac or squeegee.
 - Remove white Twister™ pad and replace with green Twister™ pad and repeat wet-buffing process with Twister™ CLEANER.
 - Remove developed slurry from surface with a wet-vac or squeegee.
- Alternatively, 3M pads and readily available cleaners can be used. This system is slightly less aggressive. Using the same instructions as above, substitute a neutral detergent (e.g. Neutral Cleaner) and use a 3M blue pad instead of the white Twister™ pad and a 3M red pad instead of the green Twister™ pad.

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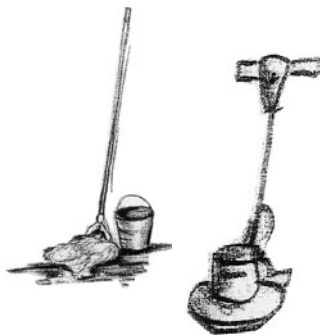
Seal



- Ensure tiles are clean, completely dry, and free of residue.
- Apply and even coat over the surface with an impregnating sealer (e.g. hueSTONE Natural Finish Stone Seal or Aqua Mix Impregnator) using a lamb's wool applicator. Reapply second coat when sealer is dry (60 minutes) repeating above process.
- Dry-buff the surface with a green Twister™ pad (or a white 3M pad) and buffing machine working in all directions.
- The surface should be allowed 24 hours to fully cure and develop weather resistance.

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Maintain



- Maintain with regular cleaning using warm water and a neutral detergent (e.g. Neutral Cleaner).
- Clean up spills immediately and spot clean with a neutral detergent.
- Periodic buffing with a floor-buffing machine and a green Twister™ pad (or a red 3M pad) can increase the level of the sheen.
- Always use protectors on table legs, chairs, and other moveable furniture.
- For environments where regular professional cleaning is preferred, engage a finishing contractor to prepare a regular floor maintenance schedule and demonstrate procedures.
- Most stains can be removed with a neutral detergent (e.g. Neutral Cleaner). Minor water spots or light acid etching will be diminished with buffing. Acid aggression on smooth tiles (e.g. from lemon juice, vinegar etc) may require specialised procedures.
- For maintaining floors finished with a surface sealer, refer to the sealer manufacturer's procedures.

Useful Contact Information

- Adhesives/Substrate: www.mapei.com
- Twister™ Diamond Cleaning System: www.htc-sweden.com
- Sealers: www.huestone.com
- Sales and Support: www.sadlerstone.com

DISCLAIMER: The following procedures are a summary of good installation and finishing practices for Sadlerstone tiles, however they do not represent a warranty or the only methods by which Sadlerstone tiles can be installed, finished or maintained. They are not an exhaustive description of, or a substitute for, good installation and/or finishing practices, more detailed procedures or procedures in applicable building codes or standards. Specific building codes, standards or special procedures may need to be followed for certain types of installations. Failure to install and finish Sadlerstone tiles in accordance with building code requirements and good installation and finishing practices may affect system performance and void product warranty. This guide is subject to change without notice – always use the latest edition. AUGUST 2010.