Concrete by SADLERSTONE

With an unwavering passion and commitment to concrete, Sadlerstone is at the forefront of the transition of concrete from its industrial roots to an elegant and functional finish for the architectural and design community.

Sadlerstone provides designers with a unique choice in concrete—a choice that offers powerful design possibilities. Our range has expanded from indoor floor tiles to outdoor and now includes contemporary concrete finishes, wall tiles, pavers, countertops, and stair treads to suit any application.

the look / chic / “A natural and earthy warmth that is contemporary, pleasantly tactile and feels good underfoot.” Contemporary concrete finishes & colors, tonal variation, variety of shapes & sizes, depth, warmth, subtle translucence, natural low sheen.

the uses / unique / “The floor is the most important element in the space, creating a dynamic viewing experience, a centerpiece that enables people to be inspired.” Inside to outside, floors, walls and counters allow for simplicity and fluidity in design.

the precision / engineered / “State-of-the-art equipment, consistent quality, guaranteed.” Dimensional accuracy, durable, strong and colourfast, meeting industry standards.

TERRAZZO HONED & POLISHED TILES: DESCRIPTION

Sadlerstone offers a contemporary take on traditional terrazzo, capturing the feel of an in-situ terrazzo and the ease of installation of tiles.

With Sadlerstone’s Terrazzo, architects and designers are invited to create their unique vision. Aggregate options such as bluestone, marble chip, quartz, Australian black granite and yellow granite combined with our multitude of finish options, can turn ideas into reality.

surface translucence / natural and artificial light enhance the silky, tactile underfoot, minimalist, reflective surface in a different, but exceptional way.

creativity and innovation / Sadlerstone invites architects and designers to create their vision. Aggregate options such as bluestone, marble chip, Australian black granite and yellow granite combined with our multitude of finish options, can turn ideas into reality.

durability / with hardness properties similar to premium natural stone, the Sadlerstone surface has high resistance to abrasion and wear.

Eco-couture

Sadlerstone recognises the need to create a range of products that are not only cutting edge, unique and functional, but also embody the philosophy of our global environmental goals.

process / Sadlerstone aspires to the Quality Assurance principles of ISO 9001 and the Environmental Management principles of ISO14001 and has attempted to provide a closed-loop manufacturing process wherein we are committed to continual improvement and the prevention of pollution.

material / Low energy, recyclable and composed of carefully-selected materials, Sadlerstone is naturally cured at ambient temperatures to provide a durable, low maintenance material.

World of Projects

Designers around the world, such as Zaha Hadid, Peter Marino and Renzo Piano, have recognised the one-of-a-kind look Sadlerstone provides. Our impressive list of clients include: Armani, Saks 5th Ave, Hugo Boss, TUMI, Dallas Cowboys, Calvin Klein, Nine West and many more. Sadlerstone features a global supply capability, manufacturer direct, and offers technical support globally.

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Palette

Sadlerstone is coloured by hand-selected, naturally-occurring inorganic oxides that are integral to the full body of the stone. Sadlerstone also has a large library of non-standard colours and can even customize a colour for your special project.

Finishes

As all colours are produced in Terrazzo Honed, Polished and Sawn finishes, as well as Sadlerstone’s other concrete finishes Smooth, Textured and FLEKK, it is possible to produce a seamless transition between inside and out, with just a change in surface.

Aggregate Options

Aggregate options include bluestone, marble chip, quartz, black granite and yellow granite.

Contact Sadlerstone at worldsales@sadlerstone.com for all your project needs!
**TERRAZZO HONED & POLISHED TILES CONTINUED**

**TECHNICAL SPECIFICATIONS**

**Specification**

<table>
<thead>
<tr>
<th>Tile Tolerances</th>
<th>Size/Rectangularity: ± 0.75mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Thickness: 2.5 ± 0.5 mm</td>
</tr>
<tr>
<td></td>
<td>Max Curvature: ± 0.5%</td>
</tr>
</tbody>
</table>

**Installation**

Flooding: Adhesive fix only using Mapei Granirapid. For tiles larger than 24" (600mm) contact Mapei for a short form specification specific to your project needs.

Clinging: Adhesive or mechanically fix.

**Recommended Grout Joints**

Flooring: 2 mm – 5 mm (1/16” – 1/4”) or maximum 0.5% of long side of tile.

As per manufacturer’s details or maximum intervals of 6 mm (0.2”) for internal and 4 mm (15”) for exterior applications.

**Expansion Joints**

Flooring: Seal with a good quality impregnator.

**Sealing**

Negligible change in colour over five years. UV stable.

**Warranty**

15 year limited warranty against wear.

Cladding
Please view our detailed cladding technical bulletin for additional specification information.

**DISCLAIMER:**

The following procedures are a summary of good installations and finishing practices for Sadlerstone tiles, however they do not represent a warranty or the only method 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 to applicable building codes and 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. JULY 2011

**INSTALLATION**

The following is an outline Sadlerstone installation, finishing and care procedures for a typical installation.

**Store**

Handle consignment with care and inspect carefully. Store indoors, away from direct sunlight, and on a level surface.

No more than two crates stacked high. 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.

**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-adhesive adhesive.

For unusual installations, e.g. timber floor substrates, contact your Mapei representative for a short-form specification.

**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 qualify proprietary cement grout such as Sadlerstone recommended Mapei Ultracolour Plus. Grout joints should be 0.5% of the longest tile edge.

Remove spits, adhesive and grout immediately. Do not allow to set or dry on surface.

Cover installed tiles.

Do not use tape, bleach acids or polysolvents on tiles.

**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 a floor-cleaning professional, the following is a summary of the necessary cleaning steps:

**BEFORE:** 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. Alternately, 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.

**Seal**

Ensure tiles are clean, completely dry, and free of residue.

Apply EHD Extra Heavy Duty Sealing sealer (e.g. huStone 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.

**Maintain**

Maintain with regular cleaning using warm water and a neutral detergent.

Clean up spills immediately and spot clean with a neutral detergent.

Prevent white Twister™ pad and green Twister™ pad (or a red 3M pad) can increase the level of the sheen.

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Always use protectors on tables legs, chairs, and other moveable furniture.

For maintaining floors finished with a surface sealers, refer to the sealer manufacturer’s procedures.

**Constituents**

Sand (35-45%), Cement (15-25%), Water (5%), Granite Aggregate (30-40%) Pigment (0.3 – 0.7%), Water Conditioner (0.2%)