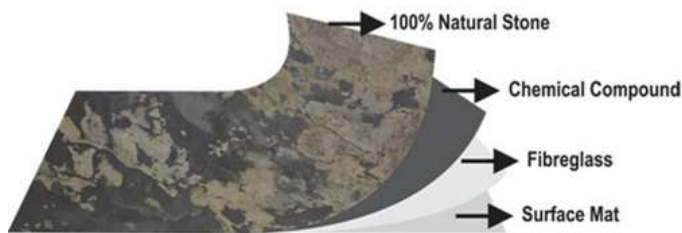


S-TILESTONE™

Stone wallcoverings

PRODUCT SPECIFICATIONS 2020

S-tilestone



Composition

Natural stone veneer available in slate, quartzite, sandstone and marble finish laminated to a surface mat. (read backings available section) **S-tilestone is free of formaldehyde.**

Application

S-tilestone can be applied over: concrete, ceramic, wood, metal, plywood, fibreglass, backer board, tile, dry wall, painted surfaces, MDF, door skins, cabinetry and many other substrates as well.

Colour Variations

S-tilestone veneer sheets are made from natural stones using all of the unique colours and textures found in every layer of these sedimentary stones. Accordingly, each sheet of S-tilestone will vary in colour, texture, hue and pattern the same way natural slates and micas do. Some colours are more standard in colour but can vary in texture, while others can have a wide range of texture and colour. Since S-tilestone is a natural stone veneer, colour and texture variances are not defects within the material, but are inherent to it and part of the natural beauty of quarried materials.

Custom Matching

If custom matching is requested for colour, texture, and/or pattern our staff will spend extra time sorting to match to the best they can. A custom matching order will be charged accordingly. If the volume is sizable a photo or representative sample may be sent for pre-approval by the customer

Standard Sizes

- 300 x 600mm
- 1220 x 610 mm
- 2400 x 1.200 mm

All three sizes are available for most colors and decors. Custom sizes can also be made for some of the colours, please contact our sales team.

*) The dimensional tolerance is $\pm 1,5$ mm in length, width and at the right angles.

Backing available

- Fibreglass or Glass-reinforced plastic (FRP) - composite material made of a polymer matrix reinforced with glass fibres.
- TranS-tile - Transparent fibreglass: - polymer matrix reinforced with transparent glass fibres.
- Eco-S-tile -
- Peel and Stick- Double sided tape.
- Magnetic Paint/Sheet -

***NOTE: Since it is a natural product each S-tilestone will differ in colour tone and have uneven texture, thickness and weight.**

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INSTALLATION GUIDELINE 2020

Installation Video

Layout & Patterns

Preparation of the area to be covered and the layout of the S-tilestone is the same as for natural stone or tile. Time spent preparing the work area will pay off immensely. A preliminary dry fit of S-tilestone allows for arrangements and orientation of individual sheets, patterns, textures, and colours before final placement. It is recommended that each sheet be dry fit exactly where it will be placed on horizontal or vertical surfaces. Numbering the sheets to track relocation before cutting and trimming is recommended and will save time.

Cutting

Cutting straight lines and curves is best done using long nosed tin snips. S-tilestone can also be cut with a metal shear, wet saw, or table saw with carbide blade.

Adhesives

Know your adhesives; by understanding the specifics of the adhesive, a good deal of time and cost can be saved. All adhesives should be tested prior to any installation including consideration of moisture and temperature in the planned environment. If the application is outdoors, consideration to thermal expansion needs to be taken into account. Since S-tilestone is a veneer it must expand and contract with the substrate or de-lamination may occur. Where adhesive primers are recommended the bond should be tested by the installer before final installation.

Recommended Adhesives

We recommend using our S-tilestone special single component epoxy adhesive, but you may use the following:

- Heavy duty construction adhesive.
- Polyurethane wood glues and PU construction grade adhesives.
- Solvent Free FRP adhesive.
- Wood, parquet, and outdoor carpet adhesives.
- Premixed grout and tile adhesive
- Thick latex or acrylic latex type tile adhesive. Use only where air drying can take place. Not recommended for exterior applications.
- Acrylic copolymer based tile adhesive.
- Epoxy or Silicone (with primer only)
- Construction grade multi-purpose adhesive or Polyester resin with filler.
- Double-sided foam adhesive (peel & stick).

Sealers

It is best to seal S-tilestone at the end of installation. This protects and seals the face from adhesives and grout during installation and handling. Please test any sealer for the desired lustre and penetration required prior to installation.
(*read our Sealers and Adhesives*)

* Please consult us if any doubt. We understand that not all products are available in every country so our team is ready to help you find the right adhesive in your country.

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TECHNICAL SPECIFICATIONS 2020

Thickness

Due to the different type of stone and backing use each product of S-tilestone varies in thickness

S. NO.	PARTICULARS	Slate and Quartzite	Marble and Sandstone	Metallica	TranS-tile	Eco-Stile
1	NATURAL STONE LAYER	0.40	0.60	0.60	0.60	0.2
2	BACKING LAYER (FRP)	0.80	1.4	1.4	1.4	0.4
3	TOTAL THICKNESS (MM)	1.20-1.50	2.0-2.3	2.0-2.3	2.0-2.3	0.6-0.8

For our Peel and Stick and Magnetic range please select the type of stone and add the tape thickness of 1mm/magnetic backing of 2mm to derive at the total thickness.

UV & Temperature

The stone surface of S-tilestone like most stone elements, acts as a UV inhibitor and will resist high sun conditions for years. When adhered to a substrate, S-tilestone will handle thermal contraction and or expansion of most standard construction materials. S-tilestone will handle both high temperatures and freezing without cracking.

Weight

S. NO.	PARTICULARS	Slate and Quartzite	Marble and Sandstone	Metallica	TranS-tile	Eco-Stile
1	PROCESSING MATERIAL	1.3	1.5	1.5	1.3	0.1
2	BACKING MATERIAL	0.15	0.15	0.15	0.3	0.2
3	NATURAL STONE	0.10	0.3	0.3	0.2	0.2
Total Weight (kg) Sq mt with Packing		1.6	2	2	1.8	0.5

For our Peel and Stick and Magnetic range select the type of stone and add tape weight of 0.3 kg /magnetic backing weight of 0.6kg to derive at the total weight.

S. NO.	TESTS CONDUCTED AT ISO 9001:2000 Certified lab	TEST VALUE		PROTOCOL
		Slate	Mica	
1	Water absorption, % by wt.(test carried out on thin slate stone specimen)	2.50	1.90	ASTM C-121 guidelines
2	Water absorption, % wt.(test carried out on thin slate specimen pasted on marble piece)	0.17	0.12	ASTM-C97 guidelines

Test Method: US Code of Federal Regulations Part 1500.44, Title 16

Sample	Burning Rate (inch/sec.)
Polyester Resin Based Metalized Panel	0.004

Conclusion: Pass - A sample is considered to have passed the test if the limit under FDA guidelines (Lead 1.0ppm and Cadmium 0.25 ppm) is not breached.