

# EASYFIT STONE VENEER

## MATERIAL SAFETY AND SPECIFICATION DATA SHEET



Easyfit Stone Veneer can be applied over nearly any solid flat substrate including concrete, ceramic, wood, metal, plywood, fibreglass, backer board, tile, dry wall, painted surfaces, MDF, Masonite®, door skins and cabinetry. Easyfit Stone Veneer has been tested and developed as a beautifying stone covering veneer for use in many different environments, indoors or outdoors. Easyfit Stone Veneer has proven to be a superb material when a real stone finish and texture is desired, but heavy solid stone may not be practical.

Easyfit Stone Veneer is available in sizes 1220 x 610 mm (1.3kg) and 2440 x 1220 mm (5.2kg). 2mm Thickness.

### **COMPOSITION**

Easyfit Stone Veneer is made up of 96% natural stone, 3% polyester resin and 1% fibreglass.

### **INSTALLATION**

Installation of Easyfit Stone Veneer is quicker and simpler than traditional stone installation. Simply apply the suitable adhesive to the back of the Stone sheet with the recommended 3/16" V-notched trowel and mount the sheet into place. Starting in the center of the sheet, using a roller or hand pressure, work any trapped air out towards the edge of the sheet. After adhesive has cured, you may finish the edges with any grout or trim pieces to match or accent the given decor. Please consult the Easyfit Stone Veneer installation guide for further detailed instructions ([www.qlainteriors.co.uk/how-to](http://www.qlainteriors.co.uk/how-to)).

## **FLEXIBILITY**

Easyfit Stone Veneer can be bent in both directions at 19° (standard stone veneer), with Translucent Stone bendable at 10° and Ultrathin Stone bendable to 90°. The flexibility can occur due to the thinness of the stones resin and fibreglass backing. We would recommend the assistance of heat when bending the stone. Testing should always be done prior to any installation. Fiberglass strand is used in the makeup of Easyfit Stone Veneer, which gives it superior strength and flexibility.

## **SEALERS & IMPREGNATORS**

We recommend using a sealant for stain and scratch protection or when the stone is used externally or a moist environment such as a bathroom. It is best to pre-seal Easyfit Stone Veneer prior to installation, this protects and seals the face from adhesives and grout during installation and handling. Easyfit Stone Veneer can be sealed with the same sealers used for slate, stone tiles and wood.

QLA Interiors recommends Aquatect Stone Sealer and Coating, produced and tested specifically for use with Easyfit Stone veneer. Mid and Low sheen variants are available dependant on the stone colour and texture. Sealants available to purchase from [www.qlainteriors.co.uk/adhesives-sealants](http://www.qlainteriors.co.uk/adhesives-sealants).

## **PREPERATION**

Before application it may be necessary to clean, brush, or degrease any surface of dust or oils. In some installations, depending on the adhesive used, it may be necessary to prep the back of the Stone Veneer by sanding or scuffing. It may be necessary to prime the substrate prior to applying the Stone Veneer.

## **LAYOUTS & PATTERNS**

Preparation of the area to be covered and the layout of the Easyfit Stone Veneer sheets is the same as for natural stone or tile. Time spent preparing the work area will pay off immensely. A preliminary dry fit of Easyfit Stone Veneer 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 stone cutter with diamond blade, tile cutter, jigsaw or angle grinder.

## **ADHESIVES**

It is important to know your adhesives; by understanding the specifics of the adhesive, a great 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 Easyfit Stone Veneer is a veneer it must expand and contract with the substrate or delamination may occur. Where adhesive primers are recommended the bond should be tested by the installer before final installation.

The back of Stone-Veneer veneers may require a filler type adhesive for some applications. For wet environments, epoxies, polyester resin and water proof adhesives are the best candidate. Contact adhesives are not recommended due to the uneven backing of Stone-Veneer. Do not use noncatalyzing (water vapor type) cure adhesives where the substrate is a moisture barrier. Adhesive may not adhere properly if applied between non-porous materials.

QLA Interiors recommends a semi-flexible adhesive such as SOUDAL Fix All, available to purchase from [www.qlainteriors.co.uk/adhesives-sealants](http://www.qlainteriors.co.uk/adhesives-sealants).

## **TILING, GROUTING & JOINING**

Easyfit Stone Veneer can be used to create a tiled effect by leaving a grout joint between cut pieces. Sheets may also be butt-jointed for the look of a smaller seam. Due to the thin nature of Easyfit Stone Veneer a 1/8" to 1/4" grout joint will produce better results. Tests show the use of water based epoxy and acrylic premixed grout work well to fill between the sheets. These grouts are available in several colours to match the existing decor. If desired, a deeper grout joint can be achieved by removing material just under the grout joint area with a grinding or scrapping tool. Modified grout and caulking grout can also be used.

QLA Interiors recommends our purpose-made joint paste available to purchase from [www.qlainteriors.co.uk/adhesives-sealants](http://www.qlainteriors.co.uk/adhesives-sealants).

## **PRESSINGS**

Easyfit Stone Veneer has a natural, split rough surface with a tolerance up to 2mm. Thickness equalizing additions protect the surface from being damaged. Proven are 7mm thick rubber plates with a shore grade of 50 and a temperature resistance of at least +80°. It's important that the rubber mate has an insulating effect, so that the press time can be therefore extended. Pending to the adhesive type and press temperature of +80°, press time approximately 6 minutes. Depending on the press configuration, the pressure has to be carefully set.

## SUBSTRATE

Easyfit Stone Veneer can be applied to MDF, HDF boards, Styro Foam sheets, melamine, brick, concrete blocks & slabs, mortar plastered walls, drywall, plywood, acrylic or other plastic sheets. In some indoor and most outdoor applications expansion and contraction must be equal to prevent delamination. A flexible adhesive may be considered in this case. Concrete and masonry substrates must be at least 28 days old. Hydrostatic pressure conditions and vapor transmission cannot exceed 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m<sup>2</sup>) per 24 hours using a calcium chloride test (reference ASTM F1869), and retained moisture should be less than 2.5%.

## VARIATIONS

Since Easyfit Stone Veneer is a natural product DESIGNED BY NATURE, colour and texture variances are not defects within the material, but are inherent to it and part of the natural beauty of quarried materials. We recommend that orders take this into account for future maintenance and refit possibilities.

## UV & TEMPERATURE

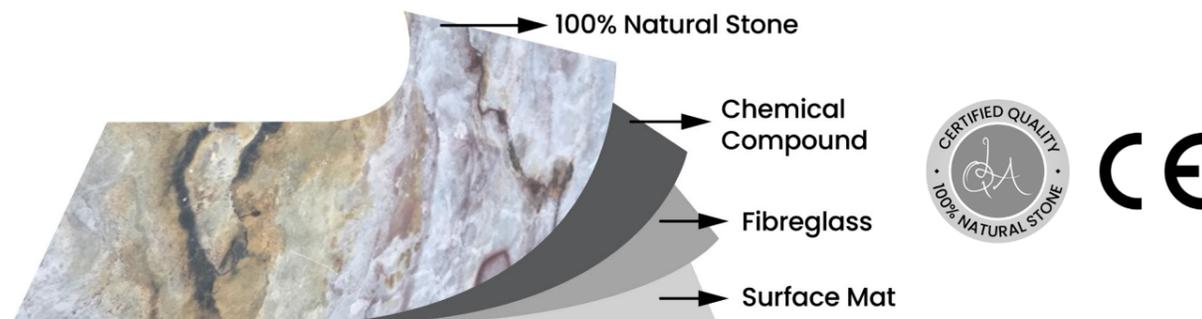
Easyfit Stone Veneer is suitable on external walling however we would advise using a stone sealant to protect it from UV and natural elements

## STORAGE

The storage of unsealed Easyfit Stone Veneer material must be dry, preferably frost-free and sun protected. Protect against climatic influences.

## PRECAUTIONS

Precautions must be taken when working with Easyfit Stone Veneer due to the fiberglass composition of the backing materials. ALWAYS use gloves, goggles, and dust mask when working with Easyfit Stone Veneer. Industry standards recommend a NIOSH/MSHA approved respirator for this type of material. When using a saw ALWAYS be sure to take proper precautions to cover skin and eyes from fiberglass dust. When cutting Easyfit Stone Veneer always ensure it is facing down with the resin backing facing you.



**Test method:** US code of federal regulations Part. 1500.44, Titel 16

Flammability test on rigid and pliable solids: PASS  
Sample burning rate: inch/sec  
Polyester Resin based Metalized panel: 0.004

\*A sample is considered to have passed the test if the burning rate is not more a 0.10 inch per Second.  
**Test method:** As specified in AOAC 16th Ed. Section 973.32 & 973.82

Polyester resin-based- metallized panel / bowl

Lead and Cadmium content in earthenware quantitation by AAS: PASS

SGS Laboratory No.	Extract, Volume (l)	Lead, ppm (mg/L)	Cadmium, ppm (mg/L)
14324	2.0	<1.0	<0.25
14324	2.0	<1.0	<0.25
14324	2.0	<1.0	<0.25
14324	2.0	<1.0	<0.25
14324	2.0	<1.0	<0.25
14324	2.0	<1.0	<0.25
<b>Limit for FDA (any one of six) 1.0 ppm</b>			<b>0.25</b>

### Notes:

1. < = less than
  2. mg / L = milligrams per litter
  3. ppm = parts per million
- AAS = ATOMIC ABSORPTION SPECTROPHOMETER**

**Conclusion:** The client submitted samples described above comply with the leachable lead and cadmium requirements of the American Food and Drug Administration (FDA).

**Test Method:** Nitric Acid digestion and analyzed by Atomic Absorption Spectrophotometer.

**Test Sample:** 04249 Stone/Slate on Resin 12 x 12 tile size 6x12

To determine the soluble Heavy Metal contents in accordance with the European Standard EN 71 part 3.1994 + A1:2000 – Migration of certain elements.

Migration of Certain Elements	04249	Limit
Soluble Lead (Pb), mg/kg	12.7	90 mg/kg
Soluble Antimony (Sb), mg/kg	<5	60 mg/kg
Soluble Arsenic (As), mg/kg	0.2	25 mg/kg
Soluble Barium (Ba), mg/kg	<0.5	1000 mg/kg
Soluble Cadmium (Cd), mg/kg	<0.5	75 mg/kg
Soluble Chromium (Cr), mg/kg	7.5	60 mg/kg
Soluble Mercury (Hg), mg/kg	<0.5	60 mg/kg
Soluble Selenium (Se), mg/kg	<0.5	500 mg/kg

**Methodology:**  
with reference to EN 71 Part 3.1994 +A1:2000 by inductively coupled argon plasma (ICP-OES)

**Analysis:** 04249  
Lead (Pb), ppm ND (None detected) detection limit for Pb is 5.0 ppm

### Stone-Veneer details

S.No.	MATERIAL compound/ ingredients	Quantity Kg./Sqm.
1	Processing Material	1.300 -1.500
2	Backing Material	0.150 – 0.200
3	Natural Stone	0.100 – 0.200
	Total Weight per sqm.	1.550-1.900

THICKNESS OF MATERIAL PARTICULARS		in MM
4	Thickness of natural stone layer	0.50-0.60
5	Thickness of other chemicals backing	1.00-1.40
6	Total thickness	1.50-2.00

	Test conducted at testing laboratory which is ISO 9001:2000 approved internationally	TEST VALUE		PROTOCOL
		SLATE	QUARZITE	
7	Waterabsorption in % by wt	2.50	1.90	ASTM C-121 guidelines
8	Waterabsorption in % Test carried out on thin slate specimen pasted on marble piece	0.17	0.12	ASTM C-97 guidelines
9	Abrasion Test Average wear, mm Max wear on individual specimen, mm	0.70 0.80	0.90 1.00	IS: 9162-1979 guidelines
10	DENSITY (mass per unit area Kg /m2)	1.45	1.66	IS: 12866-1989 guidelines



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