Losán Benelux

Losán Stone Form

TRADITIONAL VALUES

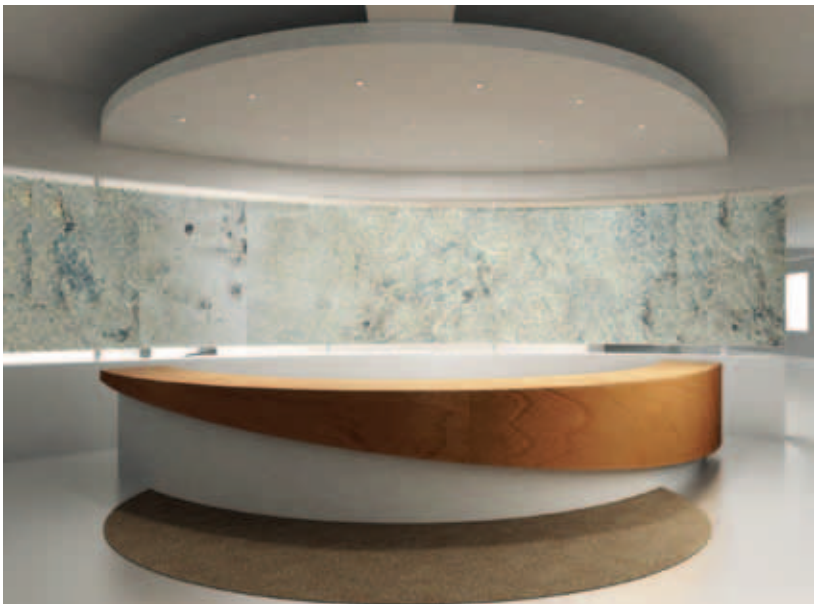
With classic good looks and durability Stone Form real stone veneer can enhance and enrich the traditional home like no other laminated product.

AN ANSWER TO EVERY NEED

The physical flexibility and variety of the real stone surfaces makes Stone Form a highly versatile product that can be an ideal solution to many design projects.

FOR BEAUTIFUL LIVING

The range of real Quartz and Slate veneers puts Stone Form in the forefront of style and design.



STONE VENEER

Natural stone veneer - Stone Form - is a thin, flexible layer of real stone which can be applied to many different surfaces and substrates i.e. concrete, ceramic, wood, metal, plywood, MDF, fibreglass, drywall, door panels, furniture panels, etc.

Stone Form has been tested as a surface covering in many environments, indoor and outdoor, and it has proved successful as a lightweight stone finish where heavy, solid stone is impractical.
It can be machined without the need for traditional masonry tools and offers significant cost and labour savings.

NB: Stone Form is not recommended for flooring or kitchen worktop applications without heavy duty surface protection like acrylic overlays or other transparent, impact resistant coating.

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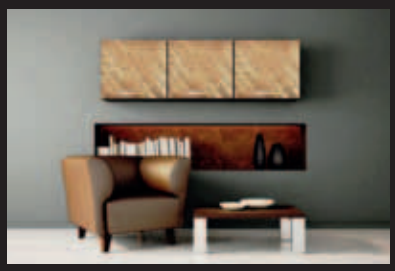
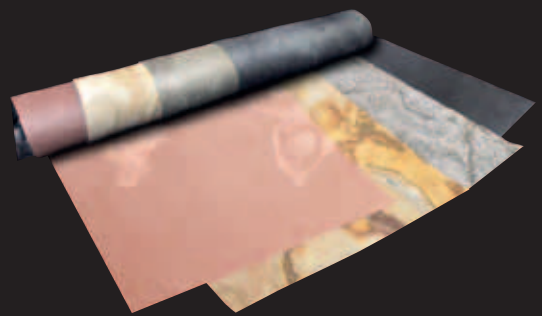
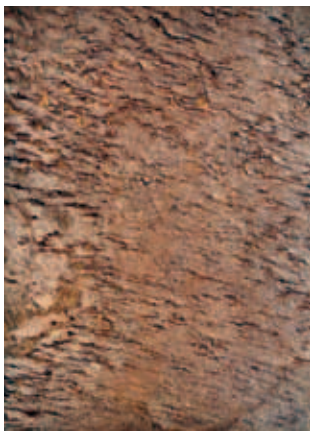




MATERIAL AVAILABLE


Santiago


Santander


Curtis

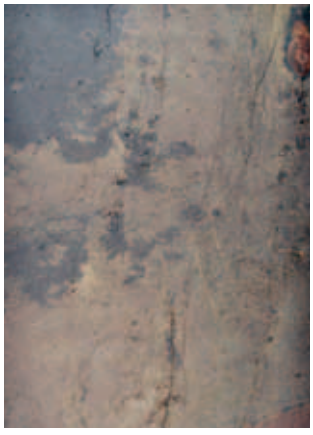

Murcia


Almeria


Lanzarote

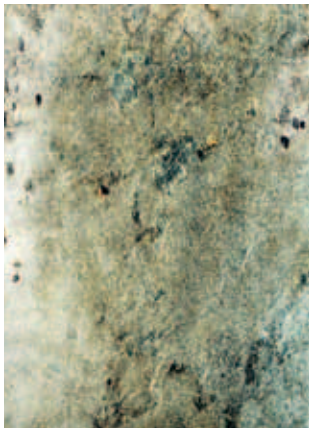

Zaragoza


Sevilla


Salamanca


Pamplona


Vigo


Bilbao


Granada


Burgos


Leon


Soria

Layout & Patterns

Preparation of the area to be covered and the layout of the Natural 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 Natural Stone Veneer allows for arrangements of 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. Natural Stone Veneer can also be cut with a metal shear, wet saw or table saw with carbide blade.

Sealers

It is best to pre-seal Natural Stone Veneer sheets prior to installation. This protects and seals the face from adhesives and grout during installation and handling. Natural Stone Veneer can be sealed with the same sealers used for slate, stone tiles and wood. There are many sealers in the market with various recommended applications.

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 Natural 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.

Recommended Adhesives

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

The back of Natural Stone Veneer 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 Natural Stone Veneer. Do not use where the substrate is a moisture barrier when using non-catalyzing (water vapour type) cure adhesives. Adhesives may not adhere properly if applied between non-porous materials.

Hand rollers

A hand roller is recommended to remove air between the Natural Stone Veneer and substrate. To properly roll out trapped air, start in the middle of a sheet while firmly rolling to the edge. Do not press too hard while rolling as this may cause back-filled areas to push adhesive out and leave an air void. By proper pre-back-filling and using good rolling techniques a solid, hard surface will be achieved.

Trowels

For best results of adhesive to substrate, a notched trowel is recommended. Use a straight trowel for back-filling of voids. Any bumps in the back surface should be sanded flat prior to back-filling. The back of Natural Stone Veneer may require a filler type adhesive to backfill or level out voids of the natural stone. It is always best to back-fill of back-butter voids or depressions in the material before application to a substrate.

Tiling, Grouting & Jointing

Natural 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 Natural Stone Veneer a 6 to 12 mm grout joint will produce better results. Tests show the use of water based epoxy and acrylic premixed grout work well to fill between the cut veneers. During the sponge-off process, the epoxy will seal the surface of the Natural Stone Veneer as well. These grouts are also available in several colors 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 scrapper tool. Modified grout and caulking grout can also be used.

Substrate

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 vapour transmission cannot exceed 1,46 kg per 100 m^2 per 24 hours using a calcium chloride test, and retained moisture should be less than 2,5 %.

Composition & Variations

Natural Stone Veneer is laminated to a fiberglass and polyester resin substrate. Since Natural Stone Veneer is a natural Stone Veneer, colour and texture variances are not defects within the material but are inherent to it and port of the natural beauty of quarried materials. Natural Stone Veneer cannot be guaranteed to match lot-by-lot, so it is recommended that orders take into account future maintenance or re-fit possibilities.

UV & Temperature

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

Size	1200 x 600 mm (available on request in selected slates).
Thickness	0,5 to 2 mm varies with colours.
Texture	Varies with selection of slate.
Colour	Being natural in origin, variation in colour, pattern & texture is common. Majority quartzite slates being metallic multicoloured in origin, colour variation across different panels is common.
Weight	Approx, 1,5 kg/sheet of 1200 x 600 mm.
Packing	Each sheet individually wrapped with paper/ pp bag 20 such sheets in 5 ply corrugated master box outer.
Outer pack	Dimension: 1270 x 635 x 5 cm = 10 sheets of 1200 x 600 mm = 15 kgs.
Moisture	Stone & FRP back are both stable in water & moisture. It can be easily used to cover moist & weather affected areas.
Temperature	Veneer is stable from 25 to 80 degrees centigrade. The glue selection has to be according to the temperature exposure.
Heat Transfer	Veneer does not enable any sort of heat transfer on either sided.
Pressure	Veneer is stable up to normal pressure, it can resist high pressure provided it is not in impact form which can damage its surface.
Flexibility	Veneer is a flexible bendable material & can bend up to 6" radius.
Expandability	Veneer does not expand or contract above 1 mm. In total, a slight 1 mm groove in application will be helpful to take care of this.
Surface	Veneer is also offered in various surface protection coatings like glossy, matt, environment protective antistatic coating, etc…
Protection	It is recommended to coat the surface of all external applications.

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