

# Laminatti

f l e x i b l e   s t o n e



**Laminatti** is versatile and ideally suited for wall paneling. It can be used virtually anywhere that other conventional materials, such as wood veneer and laminates, are used. In addition, due to its flexibility, **Laminatti** can be used on columns and other curved surfaces, and is easily bent to fit both concave and convex forms.

**Laminatti** products weigh substantially less than their standard stone counterparts. At just .33 lbs/sq.ft, **Laminatti** is 1/20 the weight of standard 3/8" slate. When compared to standard stone or tile products, **Laminatti**'s extreme light weight results in lower transportation costs, less fuel and less space being used in normal shipping and handling. Installation is also faster and easier, and shapes are easier to cut.

Some suggested uses for **Laminatti** include the following interior and exterior applications:

- Bedrooms
- Yachts and RVs
- Decorative Claddings
- Garage Doors
- Wine Cellars
- Bars & Restaurants
- Drawing Rooms
- Kitchens
- Lobbies
- Bathrooms
- Exterior Facades
- Elevators

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## **Benefits of Laminatti**

- Flexible and durable; can be used for virtually every possible application.
- Suitable for both interior and exterior decorative applications.
- Lightweight, yet high strength; particularly well suited for high-rise buildings.
- Easy to work with. Can be shaped/contoured/profile-wrapped --even on intricate designs
- Can be fitted in a less time than other paneling products.
- Environmentally friendly and a must-have for every "green" home.
- No specialized tools required for installation -- only standard wood working/stone working tools.
- The perfect answer for those looking for a "raw and minimalistic" look for their interiors
- Offers greater protection than wood paneling products in the unfortunate event of a fire.
- Very cost effective in terms of supply, storage, application and transportation.
- May be applied to a variety of surfaces such as concrete, wood, metal, dry wall, etc.

## **INSTALLATION**

### **- Safety Precautions -**

*Ensure that proper eye protection, as well as a NIOSH/MSHA approved respirator, is worn when cutting **Laminatti** sheets. If cutting with any tool which creates dust, work outdoors if possible or in another well-ventilated area, or use a properly filtered ventilation system. The silica dust from this product may be harmful if inhaled.*

### **Tools Needed**

Diamond Blade Tile Saw

Polyurethane-based Adhesive

Caulking gun

3/16" V-notched Trowel

Rubber-covered Veneer Roller

Heat Gun (for curved applications only)

Non-sanded or Water-based Epoxy grout (for "tiled look" applications only)

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## Base Preparation

Because **Laminatti** is a natural stone product, it has porous surfaces with varying degrees of texture and color. Enhancing or pre-sealing the sheets prior to installation will protect the sheet surface during installation. Be sure surfaces are clean and free of any contaminants (dust, water, oil, etc.) that will hinder proper adhesion. If installing over existing ceramic or similar tiles, it will be necessary to roughen the smooth tile surface to give it a "grip."

## Adhesive

The method of adhesion should be chosen relative to the base material to which **Laminatti** is being applied. Any adhesive that you are considering should be tested prior to use. For water-resistant applications, we recommend using polyurethane based adhesive. A 3/16" V-notched trowel is recommended for applying adhesive on substrate.

## Application

Initial prep and design for the area which you are covering will be worthwhile. An initial dry fit allows for the placement of sheets, textures and colors before final positioning. For curved applications, gently warming the sheet with a heat gun will help relax the FRP backing to achieve a tighter radius. The maximum inward or outward radius that **Laminatti** will flex will vary depending on the texture and thickness of each individual stone sheet.

Once a **Laminatti** sheet has been applied to a surface, it is important to remove any trapped air bubbles. Starting in the center of the sheet and working outward towards the edges, apply gentle even pressure on your rubber covered veneer roller. Do not push the roller too heavily or the adhesive will be forced out around the edges. Stone sheets may be installed using a tight butt method, or using a tiled approach by leaving a grout joint between the sheets. A modified, non-sanded or water-based epoxy grout works well to fill the grout lines. Remember to re-seal after grouting is completed. **If installing in a shower, Laminatti must be grouted and well-sealed.**

## TECHNICALS / TEST REPORTS

SR. NO.	PARTICULAR OF TEST CARRIED OUT	RESULTS	STANDARD REFERRED TO
1	DENSITY (AT 23 +/- 1°C) (GM/CM3)	1.4	ASTM D 792-91
2	WATER ABSORPTION IN % BY WEIGHT		
	(A) (AT 23 +/- 1°C) FOR 1.3 ASTM D 570-81 24 HOURS IMMERSION	1.3	ASTM D 570-81
	(B) BOILING WATER IMMERSION FOR 2 HOURS	1.5	ASTM D 570-81
3	FLEXURAL STRENGTH (MPA)	48	ASTM C 120-90
4	SGS FLAMMABILITY (TIME OF IGNITION- 5 SECONDS)	SAMPLE DOES NOT IGNITE REG. (PASSES THE TEST)	AS PER U.S. CODE OF FEDERAL TITLE 16 PART. 1500.44
5	THERMAL SHOCK RESISTANCE (ATER 5 CYCLES)	NO VISIBLE FAILURE (PASSES THE TEST)	ASTM C 484-93