

Laminatti

f l e x i b l e s t o n e



Laminatti products weigh substantially less than their standard stone counterparts (1/3 pounds per square foot) this is 1/20 of the weight of the standard 3/8” slate! As a result, transportation costs and carbon emissions are dramatically reduced.

Save Money

When compared to standard stone or tile products, transportation cost, fuel and space are saved in normal shipping and handling because of Laminatti's extreme lightweight. Installation is also faster and easier. Shapes are also easier to cut.

Benefits of using Laminatti

- It is flexible and can be used for almost every possible application.
- A durable product suitable for both interior and exterior decorative applications.
- Light weight (yet offering High Strength), Laminatti is particularly suited for High-Rise buildings.
- Easy to work with. It can be Shaped / Contoured / Profile Wrapped even on Intricate designs
- **Laminatti** can be fitted in a very short period of time as compared to other paneling products.
- Environment Friendly product and a “Must-Have” for every Green Home.
- Does not require any special tools for its fitment. All standard Wood working / Stone working Tools are suitable for working with it.

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- **Laminatti** is the perfect answer to those looking for a “RAW” & “MINIMALISTIC” look for their Interiors
 - Offers protection as compared to Wood Paneling products in the unfortunate event of a Fire.
 - **Laminatti** is very COST EFFECTIVE in terms of its Supply / Storage / Application and Transportation.
 - May be applied to a variety of surfaces such as concrete, Wood, metal, dry Wall, etc.

Application and use of Laminatti

Laminatti is versatile and ideally suited for wall paneling, can be used almost everywhere where other conventional materials like wood veneer / laminates are used.

Laminatti can be used onto columns. It can be bent in both concave and convex forms or in arched or radial form, depending upon the particular nature of the curve.

Some suggested applications and uses for Laminatti:

Interiors and Exteriors:

- Bedrooms
- Drawing Rooms
- Kitchens
- Lobbies
- Bathrooms
- Exterior Facades
- Bars Restaurant
- Elevators
- Decorative Claddings.
- Yachts and RV's
- Board Rooms
- Garage Doors
- Wine Cellars

INSTALLATION

Base Preparation

Laminatti is natural stone product, therefore has porous surfaces and it is normal to find varying degrees of texture and color. Enhancing or Pre-sealing the sheets prior to your installation will protect the sheet surface during installation.

The method of adhesion should be chosen relative to the base material and projected usage. Be sure to test any of the adhesives you intend to use and ensure that your 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 prepare the smooth tile surface to give it a grip.

The minimum inward or outward radius it will flex depends on product thickness and the surface texture before it starts to crack. Warming the sheets with a heat gun, will help achieve a tighter radius.

Adhesive

Any adhesive that you are considering for use with **Laminatti** should be tested prior to use. For water resistant applications, we recommend using polyurethane based adhesive.

Design

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.

Safety First

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

APPLICATION

A 3/16" V-notched trowel is recommended for applying adhesive on substrate. If you have a curved application, gently warming the sheet with a heat gun will help relax the FRP backing to achieve a tighter radius. Flexibility will vary depending on the texture and thickness of the stone sheet. Once your sheet has been applied to your surface it is important to remove air bubbles which may be trapped. Starting in the center of the sheet and working outward towards the edges, apply gentle even pressure on your rubber covered veneer roller. Take care that you are not pushing your roller too heavily or you will force the adhesive out around the edges. These sheets may be installed in a tight butt method or you can create a tiled look 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 application **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