

TITLE TECHNICAL SPECIFICATION	ISSUED FOR INFORMATION	ISSUED BY ISC Prog. Eng. Supp.	NUMBER ESS - 04 - F02
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## PRODUCT IDENTIFICATION

Commercial Name	LISTOMARMO®
Product Code	L 102
Product Type	Composite prefinished plank thin natural stone and structural support

## CHARACTERISTICS

Composite prefinished plank manufactured with an innovative process that guarantee the perfect adhesion of the thin layer of natural stone, marble, travertine etc. 5 mm thickness with the backing material: a structural foam support 9–11 mm thickness with good thermal insulation and strenght characteristics. Special side groove guarantee the perfect joint with other plank or wooden board. The technique permits to obtain a smooth and uniform surface levelling.

Use	Interior flooring for residential building		
Surface Finishing	Natural Stone: polished, honed, brushed etc; Surface's protection: oil and water proof available on request:		
Standard Size	STD Thickness: 14–16 mm, 5 mm natural stone and 9–11 mm structural support. Other thickness on request;  STD Size: 140x600 mm, 160x750 mm, other size on request.		
Weight per Surface Unit	5 mm natural stone + Structural support thickness 9–11 mm: approx. 15 kg/sqm		
Side Finishing	Side calibration and bevel.		
Mechanical Characteristics	Flexural strenght	5,19 MPa – dry	ASTM C 880
	Module of rupture	5,48 MPa – dry	ASTM C 99
Sandwich Panel Component	Natural Stone		
	Natural stone, marble in all colours and texture, travertine, onix ardesia etc.		
Adhesive	Polyurethane hydro hardening inalterable by microorganism and thinners, acid and UV resistance, sound proof effect.		
	Specific Weight	1,15 gr/cm <sup>3</sup>	
	Viscosity	2.200 +/- 1.000 cps	
	Colour	transparent	
	Temperature Range	-30°C / + 130°C	
Structural Foam Support	Specific Weight	80	Kg/m <sup>3</sup> DIN 53420
	Compression Resistance	1,8	MPa DIN 53421
	Compression Module	70,0	MPa ISO 1209
	Water Absorption	0,06	Kg/m <sup>3</sup> ASTM C 272
	Thermal Conductivity	0,034	W/m2K
	Inflammability Class	M1/2 (self extinguishing)	CSE RF2
STD Installation	L 102 Installation : LISTOMARMO panel can be installed on floor at contact using approved adhesive, the surface must be in level and clean. LISTOMARMO can be installed on many sub-base floor material, such as: wood board, concrete, plaster, etc. The floor planarity is the same required to install similar products, such as: parquet, vinyl tiles, etc. The sub-base must be solid, without cracks and visible defects, if the elements are installed on a top of a existing covering materials it must be verify the perfectly adhesion to the original support in order to prevent any damage after LISTOMARMO installation.		

