

TITLE TECHNICAL SPECIFICATION	ISSUED FOR INFORMATION	ISSUED BY ISC Prog. Eng. Supp.	NUMBER ESS - 04 - F010
Prepared by G. COLOMBAN	Issue date 07/09	Rev. 3	Page 1/1

## PRODUCT IDENTIFICATION

Commercial Name	LAMINATHERM®
Product Code	P 701
Product Type	Composite prefinished panel in thin ceramic and thermal insulating structural support

## CHARACTERISTICS

Composite prefinished panel manufactured by an innovative process that guarantee the perfect adhesion of the thin layer of ceramic lamina, 3–4–5 mm thickness with the backing material: 5–80 mm thickness thermal insulating structural foam support.



Use	Interior flooring and walling, exterior walling for residential and commercial buildings.			
Surface Finishing	In according with thin ceramic colour			
Standard Size	STD Thickness: 13–83 mm, 3–4–5 mm natural stone and max 80 mm thermal insulating structural support. Other thickness on request;			
	STD Size: 500x500 mm, 600x600 mm, 600x1200 mm, 1.000x1.000 mm, 1.000x3.000 mm, other size on request			
Weight per Surface Unit	Approx. 8 kg/m <sup>2</sup> 13 mm thickness			
Side Finishing	90 ° cuts standard			
Ceramic Lamina	In according with mechanical characteristics of thin ceramic lamina			
Sandwich Panel Component				
Ceramic Lamina	Thin ceramic in different colours and finishing			
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	60	Kg/m <sup>3</sup> DIN 53420
	Compression Resistance	18	8,5	Kg/ cm <sup>2</sup> DIN 53421
	Compression Module	700	400	Kg/ cm <sup>2</sup> ISO 1209
	Water Absorption	0,06		Kg/m <sup>3</sup> ASTM C 272
	Thermal Conductivity	0,034	0,030	W/m <sup>2</sup> K
	Inflammability Class	autoestinguente M1/2		ASTM D 1692 - 67T
STD Installation	P 701 Installation :			
	LAMINATHERM panel can be installed on floor/wall at contact using approved adhesive, the surface must be in level and clean. LAMINATHERM can be installed on many sub-base floor/wall materials, such as: wood board concrete panel, brick and plaster wall, gypsum panel, etc. For floor installation the planarity is the same required to install similar products, such as: parquet, vinyl tile, etc. The sub-base must be solid, without cracks and visible defects, if the elements are installed on top of existing covering materials it must be verify the perfectly adhesion to the original support in order to prevent any damage after LAMINATHERM installation.			