

TITLE TECHNICAL SPECIFICATION	ISSUED FOR INFORMATION	ISSUED BY ISC Prog. Eng. Supp.	NUMBER ESS - 04 - F03
Prepared by G. COLOMBAN	Issue date 07/09	Rev. 5	Page 1/1

## PRODUCT IDENTIFICATION

Commercial Name	MARMOPLUS
Product Code	P 103
Product Type	Composite prefinished panel thin natural stone and HD structural support

## CHARACTERISTICS

Composite prefinished panel manufactured by an innovative process that guarantee the perfect adhesion of the thin layer of natural stone, marble, travertine etc. 5-7 mm thickness with the high density backing material: structural foam support 5-7 mm thickness with good thermal insulation and strenght characteristics.

**Use** Interior flooring for residential and commercial buildings.

**Surface Finishing** Natural Stone: polished, honed, brushed etc;  
Surface's protection: oil and water proof available on request:

**Standard Size** STD Thickness: 10-12 mm, 5-7 mm natural stone and 5-7 mm high density structural support. Other thickness on request;

STD Size: 500x500 mm, 500x1.000 mm, 600x600 mm, 600x900 mm, 600x1.200 mm, other size on request.

**Weight per Surface Unit** 5-7 mm natural stone + Structural support thickness 5-7 mm : approx. 15-20 kg/sqm

**Side Finishing** 90 ° cuts standard, side calibration and bevel on squared panels, other on request.

**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

<b>Structural Foam Support</b>	Specific Weight	130	Kg/m <sup>3</sup>	DIN 53420
	Compression Resistance	3,0	MPa	DIN 53421
	Compression Module	120,0	MPa	ISO 1209
	Water Absorption	0,06	Kg/m <sup>3</sup>	ASTM C 272
	Thermal Conductivity	0,037	W/m2K	
	Inflammability Class	M1/2 (self extinguishing)		CSE RF2

### STD Installation

P 103 Installation :  
MARMOPLUS panel can be installed on floor/wall at contact using approved adhesive, the surface must be in level and clean. MARMOPLUS 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 MARMOPLUS installation.

