

TITLE TECHNICAL SPECIFICATION	ISSUED FOR INFORMATION	ISSUED BY ISC Prog. Eng. Supp.	NUMBER ESS - 04 - F04
Prepared by G. COLOMBAN	Issue date 07/09	Rev. 3	Page 1/1

PRODUCT IDENTIFICATION

Commercial Name	NEXT
Product Code	P 106
Product Type	Composite prefinished panel in thin natural stone and structural support (structural foam support and AL lamina) and a thermal insulating 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 mm thickness, backing material: structural foam support 5 mm thickness, AL lamina 1mm and 5-75 mm structural foam support with good thermal insulation and strenght characteristics.

Use Interior flooring and walling, 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 from 16 to 86 mm
STD Size: up to 900/1000x1800 mm;

Weight per Surface Unit Approx. 18-20 kg/m² with 5 mm natural stone + 1 mm Alluminium + 5-75 mm thermal insulating support

Side Finishing 90 ° cuts standard.

Mechanical Characteristics Flexural strenght 9,65 MPa – dry ASTM C 880

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 ³
Viscosity	2.200 +/- 1.000 cps
Colour	transparent
Temperature Range	-30°C / + 130°C

Structural Foam Support	Specific Weight	80	160	Kg/m ³	DIN 53420
	Compression Resistance	18	3,57	MPa	DIN 53421
	Compression Module	70,0		MPa	ISO 1209
	Water Absorption	0,06		Kg/m ³	ASTM C 272
	Thermal Conductivity	0,034	0,040	W/m2K	
	Inflammability Class	M1/2 (self extinguishing)			CSE RF2

STD Installation

P 106 Installation:

NEXT panel can be installed on floor/wall at contact using approved adhesive, the surface must be in level and clean. NEXT 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 NEXT installation.

