

TECHNICAL DATASHEET

VITPRINT HR

VITPRINT HR, is a sandwich panel formed by an expanded polystyrene core and two 0.5mm thick outer walls with a high-performance matte smooth surface, which allows easy high quality printing, with tear and scratch resistance superior to Vitprint and other equivalent materials with foamed PVC surface. It allows bending and provides greater chemical resistance on the surface.

ADVANTAGES VITPRINT HR

- Rigid support of maximum lightness.
- It allows being folded by forming 90° angles to make corners.
- Great print results.
- Homogeneous and resistant surface.
- Protection film on both sides.
- Suitable for CNC milling.
- Easy to handle
- Valid for indoor and outdoor applications (even in extreme conditions).
- Thermal isolation.
- Absence of chlorine.
- Less toxicity of flue gases.
- The edges can be embellished by self-adhesive tape of easy placement.

TYPES AND FORMATS

Standard dimensions 3050 x 2050 mm (with a single core joint) and 3050 x 1530 mm.
Standard thicknesses available: 10mm, 15mm and 19mm. Other thicknesses and measures on request. Without protection film.

APPLICATION AREAS

- All kinds of work done with UV printing.
- Digital printing and screen printing.
- Promotional campaigns at sale points.
- Signs and displays.
- Signaling.
- Medium term outdoor applications.
- Photo exhibitions
- Exhibitors PLV.
- Panels in fair stands.
- Temporary furniture.
- Pictures.
- Totems construction.
- Thermal wall insulation.

TECHNICAL SPECIFICATIONS – VITPRINT HR

Surface properties	Value	Unit	Standard
Physical properties			
Density	0,9	g/cm ³	ASTM D-792
Thickness	0,5	mm	
Other properties			
Crown treatment level	>42	dines/cm	ISO 527 ASTM D-570
Crown treatment duration (under original packaging conditions)	6	months	
Tensile strength	24,4	MPa	
Dimensional variation	0,5	%	
Roughness	RA5 (2 matt sides)		
Service temperature range	-20 +90	°C	
Fire properties			
Construction (EU) surface	Bs1,d0		EN13501-1

Core properties	Value	Unit	Standard
Physical properties			
Density	33±10%	Kg/cm ³	
Other properties			
Perpendicular cut resistance	≥600	kPa	EN13164:2012 EN 1607:2013 EN 12087:2013
Moisture absorption under immersion (28 days)	WL(T) 0,7 ≥0,7	%	EN 13164:2012 EN 12088
Moisture absorption by diffusion (28 días) (thickness 50-100mm)	WD(V)3 ≥0,3	%	EN 13164
Dimensional stability at 70°C, 90% relative humidity	<5	%	EN1604:2013
Maximum temperature service	75	°C	
Compressive strength with 10% deformation	>=300	kPa	EN13164:2012
Thermal conductivity	0,035	W/mK	EN 12667:2001 EN 12939:2000 EN 13164:2012
Fire properties			
Construction (EU) Interior XPS autoextinguible	E		EN13501-1

The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.

