

DECLARATION OF PERFORMANCE Nº 00132



28/03/2019

SUPERPAN TECH P6

Manufactured at: Luso Finsa
Estrada Nacional 234, Km
92.7
3524-952 NELAS
(PORTUGAL)

PRODUCT TYPE	INTENDED USE	AVCP*	NOTIFIED BODY AND REFERENCE	CERTIFICATE NUMBER
P6	Internal use as high performance structural component in dry conditions	2+	AENOR 0099	0099/CPR/A65/0036

*Assessment and verification of constancy of performance system according to Annex V of regulation (EU) No 305/2011

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			30 / 32	>32 / 40
CHARACTERISTIC STRENGTH				
TABEL 5 EN 12369-1:2001				
BENDING f_m	EN 13986:2004+A1:2015	N/mm2	≥ 12.5	≥ 11.7
COMPRESSION f_c	EN 13986:2004+A1:2015	N/mm2	≥ 12.2	≥ 11.9
TENSION f_t	EN 13986:2004+A1:2015	N/mm2	≥ 8.3	≥ 7.8
PANEL SHEAR f_v	EN 13986:2004+A1:2015	N/mm2	≥ 6.5	≥ 6.0
PLANAR SHEAR f_r	EN 13986:2004+A1:2015	N/mm2	≥ 1.7	≥ 1.7
CHARACTERISTIC STIFFNESS				
(MOE)				
TABLE 5 EN 12369-1:2001				
TENSION E_t	EN 13986:2004+A1:2015	N/mm2	≥ 1900	≥ 1800
COMPRESSION E_c	EN 13986:2004+A1:2015	N/mm2	≥ 1900	≥ 1800
BENDING E_m	EN 13986:2004+A1:2015	N/mm2	≥ 3300	≥ 3100
PANEL SHEAR f_v	EN 13986:2004+A1:2015	N/mm2	≥ 950	≥ 900
POINT LOAD F_{ULS} FOR FLOORS AND ROOFS	EN 13986:2004+A1:2015	N/mm2	NPD	NPD
POINT LOAD MEAN STIFFNESS FOR FLOORS AND ROOFS	EN 13986:2004+A1:2015	N/mm2	NPD	NPD
POINT LOAD SERVICEABILITY F_{SLS} FOR FLOORS AND ROOFS	EN 13986:2004+A1:2015	N/mm2	NPD	NPD
RACKING RESISTANCE FOR WALLS	EN 13986:2004+A1:2015	N/mm2	NPD	NPD
SOFT BODY IMPACT RESISTANCE PARA FORJADOS, CUBIERTAS Y MUROS	EN 13986:2004+A1:2015	N/mm2	NPD	NPD

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TECHNICAL DATA-AVERAGE VALUES			Rev: 11/05/2016	
PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			30 / 32	>32 / 40
DENSITY (*)	EN 323	kg/m3	670	650
INTERNAL BOND	EN 319	N/mm2	≥ 0,35	≥ 0,30
BENDING STRENGTH	EN 310	N/mm2	≥ 22	≥ 20
MODULUS OF ELASTICITY	EN 310	N/mm2	≥ 2800	≥ 2800
THICKNESS SWELLING 24 H	EN 317	%	≤ 14	≤ 13
SURFACE SOUNDNESS	EN 311	N/mm2	>1,0	>1,0
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8,0	≤ 8,0
SCREW HOLDING. EDGE	EN 320	N	≥ 800	≥ 800
SCREW HOLDING. SURFACE	EN 320	N	≥ 1000	≥ 1000
REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	D-s2, d0	D-s2, d0
REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	Dfl	Dfl
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	≥ 0.10	≥ 0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	≥ 0.25	≥ 0.25
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	≤ 0.13	≤ 0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	≥ 31	≥ 32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	≥ 50	≥ 50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	≥ 17	≥ 16
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	< 5	< 5
MECHANICAL DURABILITY	EN 13986:2004+A1:2015	Kmod Kdef	EN	EN
			1995-1:2004 1995-1:2004	3.1 & 3.2 3.1 & 3.2

(*) VALUES TO BE CONSIDERED AS A ROUGH GUIDE ONLY.

These physical-mechanical values improve/comply with the P6 classification established in EN 312:2010 European Standard, Table 9. High performance structural boards used in dry environments (Type P6). Requirements for the mechanical and swelling properties specified.

SUPERPAN TECH P6 holds CE Certificate of conformity of the factory production control issued by the European Notified Body AENOR. Link to certificate: <https://drive.google.com/open?id=0B-Xe1750UJbXZXh3aVBnd3RmalE>

SUPERPAN TECH P6 meets Class E1 requirements (analysed according EN ISO 12460-5) as defined in EN 312:2010 European Standard. Quality of SUPERPAN TECH P6 is endorsed by AITIM Quality Certification scheme. Link to certificate: <https://drive.google.com/open?id=0B-Xe1750UJbXYTAzQ1FXZnJGODA>

The performance of the reference product are in compliance with the performance declared above
This Declaration of Performance is issued under the sole responsibility of FINANCIERA MADERERA S.A. (FINSA)

Javier Portela
FINSA R&D + Quality Director
Santiago de Compostela 28/03/2019


