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DECLARATION OF PERFORMANCE
No. P3-CPR-2013-07-01

1. Unique identification code of the product-type:

   Particleboard PB P3

2. Intended use or uses of the construction product:

   For internal use as a non-structural component in humid conditions
   (P3 acc. EN 312 is non load-bearing board for use in humid conditions)

3. Name and contact address of the manufacturer:

   KRONOSPAN CR, spol. s r. o.
   Na Hranici 6, CZ - 587 04 Jihlava
   Czech Republic

4. System of assessment and verification of constancy of performance:

   System 3

5. Harmonised standard:

   EN 13986: 2004 + A1:2015

   The notified body:

   no. 1393
   Výzkumný a vývojový ústav dřevařský, Praha, s.p.
   (Timber Research and Development Institute, Prague)
   Na Florenci 7-9, 111 71 Praha 1, Czech Republic
   www.vvud.cz

   Notified body issued the Product Type Testing Protocol **No. 1393-CPR-0652.**

6. Declared performance

Essential characteristics		Performance					Harmonised technical specification
		Boards thickness in mm					
		8 – 13	> 13 – 20	> 20 – 25	> 25 – 32	> 32 – 40	
Bending strength[1] acc. EN 310		15 MPa	14 MPa	12 MPa	11 MPa	9 MPa	EN 13986:2004 + A1:2015
Bending stiffness[1] (Modulus of elasticity) acc. EN 310		2050 MPa	1950 MPa	1850 MPa	1700 MPa	1550 MPa	
Reaction to fire	End use condition : [2]	Class acc. EN 13501-1 (excl. flooring):				Class (flooring):	
	w/o an air gap behind the OSB [3]	Class D-s2,d0 for th. ≥ 8 mm				D_{fl} - s1	
	with a closed or open air gap behind the OSB panel [4]						
	any					E_{fl}	
Water vapour permeability acc. EN 13986, Tab. 9 [5]		$\mu_{DRY} = 50$ $\mu_{WET} = 15$					
Release of formaldehyde acc. EN ISO 12460-5		Class E1 (≤ 8 mg/ 100g)					
Release (content) of pentachlorophenol (PCP)		PCP ≤ 5 ppm					

Airborne sound insulation acc. EN 13986 [5]	board th.[mm]	8	10-12	13	15-16	18-19	22-25	28-32	38
	R [dB]	24	25	26	27	28	29	30	31

Sound absorption acc. EN 13986, Tab.10 [5]			α = 0,10 (frequency range 250 Hz to 500 Hz) α = 0,25 (frequency range 1000 Hz to 2000 Hz)				EN 13986:2004 + A1:2015
Thermal conductivity (density) acc. EN 12664 [5]			λ = 0,13 W / m . K				
Air permeability			NPD				
Durability	Board thickness [mm]		8 - 13	> 13 – 20	> 20 – 25	> 25 – 32	> 32 – 40
	Internal bond acc. EN 319		0,45 MPa	0,45 MPa	0,40 MPa	0,35 MPa	0,30 MPa
	Swelling in thickness (24h) acc. EN 317		17 %	14 %	13 %	13 %	12 %
	Moisture resistance (cyclic test) acc. EN 321	Internal bond after cyclic test	0,15 MPa	0,13 MPa	0,12 MPa	0,10 MPa	0,09 MPa
		Swelling in thickness after cyclic test	14 %	13 %	12 %	12 %	11 %
	Biological durability acc. EN 335		Use class 2				

[1] The table values of strength and stiffness are not characteristic values for use in the design of wood framed structures (e.g. according to EN 1995-1-1).
[2] A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m^2 can be mounted in between the particleboard panel and a substrate if there are no air gaps in between. Veneered, phenol- and melamine-faced panels are included for class excl. floorings.
[3] Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10 kg/m^3 or at least class D-s2, d2 products with minimum density 400 kg/m^3. A substrate of cellulose insulation material of at least class E may be included if mounted directly against the particleboard, but not for floorings.
[4] The reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m^3 or at least class D-s2, d2 products with minimum density 400 kg/m^3.
[3] The information can also be found in the manufacturer's manual (brochure Kronobuild) on www.kronospan-express.com.

7. The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Libor Kulha, head of production

At Jihlava on 9.10.2018

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