KRONOSPAN OSB, spol. s r.o.
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DECLARATION OF PERFORMANCE
No. Firestop-CPR-DoP-2015-01

1. Unique identification code of the product-type:

OSB Firestop

2. Intended use or uses of the construction product:

OSB with improved fire properties for internal use as a structural component in humid conditions (OSB/3 acc. EN 300 is load-bearing board for use in humid conditions)

3. Name and contact address of the manufacturer:

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

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

System 1

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

The notified body - **Timber Research and Development Institute, Prague** - performed initial inspection of the manufacturing plant and of factory production control and performs continuous surveillance, assessment and evaluation of factory production control under the system 1 as described in harmonised standard **EN 13986: 2004 + A1:2015**
Notified body issued the certificate of conformity of the factory production control (FPC) **No. 1393-CPR-0899**

6. Declared performance

Essential characteristics			Performance		Harmonised technical specification
			Boards thickness in mm		
			12 – 18	> 18 - 30	
Strength acc. EN 12369-1 [N/mm^2]	Bending f_m	Major axis (0)	16,4	14,8	EN 13986:2004 + A1:2015
		Minor axis (90)	8,2	7,4	
	Tension f_t	Major axis (0)	9,4	9,0	
		Minor axis (90)	7,0	6,8	
	Compression f_c	Major axis (0)	15,4	14,8	
		Minor axis (90)	12,7	12,4	
		Panel shear f_v	6,8	6,8	
		Planar shear f_r	1,0	1,0	
Stiffness (MOE) acc. EN 12369-1 [N/mm^2]	Bending E_m	Major axis (0)	4930		
		Minor axis (90)	1980		
	Tension E_t	Major axis (0)	3800		
		Minor axis (90)	3000		
	Compression E_c	Major axis (0)	3800		
		Minor axis (90)	3000		
		Panel shear G_v	1080		
		Planar shear G_r	50		

Declaration of performance acc. Regulation EU No. 305/2011 (CPR)
No. Firestop-CPR-DoP-2015-01 OSB Firestop v2

Punching shear as point load strength and point load stiffness			NPD			EN 13986:2004 + A1:2015
Racking resistance			NPD			
Impact resistance			NPD			
Reaction to fire acc. EN 13501-1 [1]			class B-s1,d0 (from side with MgO based cement coat) class D-s1,d0 (from untreated side)			
Water vapour permeability [2]			NPD			
Release of formaldehyde			class E1 (≤ 0,03 ppm)			
Release (content) of pentachlorophenol (PCP)			PCP ≤ 5 ppm			
Airborne sound insulation acc. EN ISO 717-1 [2]	board thickness		16 mm	19 mm	23 mm	
	R [dB]		27 (-1;-2)	27 (-2;-2)	26 (0;-1)	
Sound absorption acc. EN 13986, Tab.10			α = 0,10 (frequency range 250 Hz to 500 Hz) α = 0,25 (frequency range 1000 Hz to 2000 Hz)			
Thermal conductivity (density) acc. EN 12664[2]			λ = 0,11 W / m . K			
Embedment strength			EN 1995-1-1			
Air permeability acc. EN 12114 (50 Pa)			NPD			
Durability	Board thickness [mm]		> 10 – 18	> 18 - 25	> 25 - 30	
	Internal bond acc. EN 319		0,32 MPa	0,30 MPa	0,29 MPa	
	Swelling in thickness (24h) acc. EN 317		15 %	15 %	15 %	
	Moisture resistance (Internal bond after boil test) acc. EN 1087-1		0,13 MPa	0,12 MPa	0,06 MPa	
	Mechanical (duration of load-creep)	Modification factor k_{mod} acc. EN 1995-1-1, tab. 3.1.	Service class	Permanent load	Long-term load	Medium-term load	Short-term load	Instantaneous load
			1	0,40	0,50	0,70	0,90	1,10
			2	0,30	0,40	0,55	0,70	0,90
		Modification factor k_{def} acc. EN 1995-1-1, tab. 3.2.		k_{def} = 1,50 (service class 1) k_{def} = 2,25 (service class 2)				
	Biological durability acc. EN 335			Use class 2				

[1] Reaction to fire classification is valid for following end use: without substrate or mechanically fixed to substrate with reaction to fire class A1 or A2.
[2] The information can also be found in the manufacturer's manual (brochure Kronobuild).

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 28.6.2016

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