

## 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 <sup>2</sup> ]	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 <sup>2</sup> ]	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			

Punching shear as point load strength and point load stiffness		NPD						
Racking resistance		NPD						
Impact resistance		NPD						
Reaction to fire acc. EN 13501-1 <sup>1</sup>		class B-s1,d0 (from side with MgO based cement coat) class D-s1,d0 (from untreated side)						
Water vapour permeability <sup>2</sup>		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 <sup>2</sup>	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 <sup>2</sup>		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	Perma- nent load	Long- term load	Medium- term load	Short- term load	Instanta- neous 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					

EN 13986:2004 + A1:2015

<sup>1</sup> 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.

<sup>2</sup> 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



**KRONOSPAN OSB, spol. s r.o.**  
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