



## PERFORMANCE DECLARATION

### **SK\_OSB3\_CPR-164**

1. Typical product identification code :

**SWISS KRONO OSB 3**

2. Type, batch or serial number allowing the identification of the construction product in accordance with Article 11(4) :

**Date of production (day, month, year) and Manufacturing Order (MO) number indicated on the package label**

3. Intended use(s), in accordance with the relevant harmonised technical specification, as intended by the manufacturer :

**Indoor use in wet environments as a structural component  
Use as a structural floor and roof deck on supports or structural wall wall on posts**

4. Name, business name or registered trade mark and contact address of the manufacturer in accordance with Article 11(5) :

**SWISS KRONO S.A.S.  
Route de Cerdon  
45600 SULLY-SUR-LOIRE  
FRANCE**

5. Contact address of the representative :

**Not applicable**

6. System for the assessment and verification of constancy of performance in accordance with Annex V :

**System 2+**

7. In the case of a declaration of performance concerning a construction product covered by a harmonised standard :

**The notified body FCBA - Allée de Boutaut 33000 BORDEAUX France - number 0380 - has carried out an initial inspection of the manufacturing plant and of the factory production control as well as continuous surveillance, assessment and evaluation of the factory production control and has delivered the certificate of maintenance of conformity number 0380-CPR-164.**

8. In the case of a declaration of performance concerning a construction product for which a European Technical Assessment has been issued :

**Not applicable**

## 9. Reported performance :

Key features		Performance					Harmonised Technical Specification
1	Flexural strength (longitudinal / transverse direction) $N/mm^2$		Thickness (mm)				
		6 ≤ e ≤ 10	10 < e < 18	18 ≤ e ≤ 25			
		22 / 11	20 / 10	18 / 9			
2	Modulus of elasticity (longitudinal / transverse direction) $N/mm^2$	3 500 / 1 400					
3	Gluing quality	NA					
4	Internal cohesion (tensile strength) $N/mm^2$		Thickness (mm)				
		6 ≤ e ≤ 10	10 < e < 18	18 ≤ e ≤ 25			
		0,34	0,32	0,30			
5	Durability (swelling in thickness after 24h) %	≤ 15					
6	Durability (moisture resistance) Residual bending strength after cyclic test $N/mm^2$		Thickness(mm)				
		6 ≤ e ≤ 10	10 < e < 18	18 ≤ e ≤ 25			
		9	8	7			
7	Formaldehyde release	E1 Class <i>Formaldehyde-free binder</i>					
8	Reaction to fire <sup>f</sup> <i>For a minimum density of 600 kg/m<sup>3</sup></i>	Class (off floor) <sup>g</sup>		Class (floor) <sup>h</sup>			
	Without air gap at the back of the panel <sup>ab</sup> <i>For a minimum thickness of 9 mm</i>	D-s2,d0		D <sub>fi</sub> ,s1			
	With closed or open air gap ≤ 22mm at the back of the panel <sup>c</sup> <i>For a minimum thickness of 9 mm</i>	D-s2,d2		-			
	With closed air gap at the back of the panel <sup>d</sup> <i>For a minimum thickness of 15 mm</i>	D-s2,d0		D <sub>fi</sub> ,s1			
	With open air gap at the back of the panel <sup>d</sup> <i>For a minimum thickness of 18 mm</i>	D-s2,d0		D <sub>fi</sub> ,s1			
9	Water vapour permeability μ <i>for an average density of 650 kg/m<sup>3</sup></i>	13 mm 77 in wet cup 157 in dry cup		18 mm 67 in wet cup 86 in dry cup			
10	Airborne sound insulation $dB$ <i>for frequencies from 1 kHz to 3 kHz</i>	Thickness (mm)					
		12 mm	15 mm	16-18 mm	22 mm	25 mm	
		25	26	27	28	29	
Key features		Performance					Harmonised Technical Specification

<sup>a</sup> Mounted, without air gap, directly on a support consisting of a product of class A1 or A2-s1,d0 having a minimum density of 10 kg/m<sup>3</sup> or at least by a product of class D-s2,d2 with a minimum density of 400 kg/m<sup>3</sup>

<sup>b</sup> A support of cellulose based insulation material of at least class E can be included if it is mounted directly on the panel, except for floors.

<sup>c</sup> Mounted with an air gap in the back. The reverse side of the cavity shall consist of a product of at least class A2-s1,d0 with a minimum density of 10 kg/m<sup>3</sup>

<sup>d</sup> Mounted with an air gap in the back. The reverse side of the cavity shall be made of a product of at least class D-s2,d2 with a minimum density of 400 kg/m<sup>3</sup>

<sup>f</sup> A vapour barrier having a maximum thickness of 0.4 mm and a density of 200 g/m<sup>2</sup> can be mounted between the panel and a substrate if there is no air gap between them

<sup>g</sup> Class provided for in Table 1 of the Annex to Commission Decision 2000/147/EC

<sup>h</sup> Class provided for in Table 2 of the Annex to Commission Decision 2000/147/EC

11	Sound Absorption $\alpha$ dB	0,10 from 250 Hz to 500 Hz 0,25 from 1 000 Hz to 2 000 Hz					
12	Thermal conductivity $\lambda$ W/(m.K) for an average density of 650 kg/m <sup>3</sup>	0,13					
13	Stiffness and strength for structural use N/mm <sup>2</sup>	Characteristic resistance for an average density of 550 kg/m <sup>3</sup>					
		Thickness(mm)		9 ≤ e ≤ 10	10 < e ≤ 18	18 < e ≤ 25	
		Bending f <sub>m</sub> (panel direction)	0	18	16,4	14,8	
			90	9	8,2	7,4	
		Compression f <sub>c</sub> (panel direction)	0	15,9	15,4	14,8	
			90	12,9	12,7	12,4	
		Sail shear f <sub>v</sub>		6,8			
		Average stiffness					
		Thickness (mm)			9 ≤ e ≤ 25		
		Bending E <sub>m</sub> (panel direction)	0		4 930		
			90		1 980		
		Compression E <sub>c</sub> (panel direction)	0		3 800		
			90		3 000		
		Sail shear G <sub>v</sub>			1 080		
14	Impact resistance for structural use	NPD					
15	Strength and stiffness under concentrated load for structural use (Medium stiffness) N/mm	Apparent average stiffness R <sub>mean</sub>					
		Distance between centres/thickness (mm)		16	18	22	25
		400		495	703	841	943
		500		391	586	701	798
		600		294	471	567	652
		800		167	269	349	409
16	Mechanical durability k <sub>mod</sub> and k <sub>def</sub>	k <sub>mod</sub> according to load duration class		Service class 1		Service class 2	
		Permanent		0,4		0,3	
		Long term		0,5		0,4	
		Medium term		0,7		0,55	
		Short term		0,9		0,7	
		Instant		1,1		0,9	
		k <sub>def</sub> by class of service		1,5		2,25	
17	Biological sustainability	Use class 2					
		Use class 3.1 and 3.2 for OSB3 anti termites					
18	Pentachlorophenol content	PCP ≤ 5					
19	Local load-bearing capacity	cf. NF EN 1995-1-1					
20	Density	650 kg/m3 minimum for OSB3 13 mm earthquake-resistant					

NF EN  
13986:2004  
+A1:2015

NF EN  
13986:2004  
+A1:2015

General tolerances		
Length and width tolerances	$\pm 3$ mm	EN 324-1
Thickness tolerance (unsanded)	$\pm 0,8$ mm	
Edge straightness tolerance	1,5 mm/m	EN 324-2
Squareness tolerance	2 mm/m	
Moisture content (ex works)	3 – 8 %	EN 322
Tolerance of the average density within a panel	$\pm 15$ %	EN 323

*NA = Not Applicable*

*NPD = Performance Not Determined*

10. The performance of the product identified in points 1 and 2 shall be in accordance with the performance indicated in point 9. This declaration of performance is drawn up under the sole responsibility of the manufacturer identified in point 4.

Done at Sully-sur-Loire, on April 19, 2023, for and on behalf of the manufacturer by :



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Vincent ADAM  
President

**CERTIFICAT DE CONSTANCE DES PERFORMANCES**  
*CERTIFICATE OF COMPLIANCE OF PRODUCTION CONTROL ON-SITE*

**CE N° 0380 - CPR - 164**

Dans le cadre du Règlement (UE) n° 305/2011 du parlement Européen et du conseil du 09 mars 2011 établissant des conditions harmonisées de commercialisation pour les produits de construction et abrogeant la directive 89/106/CEE du Conseil, il a été établi que pour le(s) produit(s) :

*In the framework of the EU Regulation N° 305/2011 set forth by the European Parliament and the Council on 09 March, 2011, which harmonised the conditions to commercialise construction products and repealed Directive 89/106/CEE of the Council, it was established that for the following product:*

**OSB3 conforme à la norme EN 300 pour utilisation en milieu humide**  
*OSB 3 according to EN 300 for use in wet*

Description produit (Product description) :  
*Pour usage structurel* (For structural use)

Produit par (Produced by) : **SWISS KRONO SAS**  
Fabriqué dans l'usine située (Manufactured in the factory located):  
**45600 SULLY SUR LOIRE**

FCBA, en tant qu'organisme notifié n° 0380, a réalisé l'inspection initiale de l'établissement et du contrôle de la production en usine et réalise la surveillance, l'évaluation et l'appréciation permanente du contrôle de la production en usine (système 2+).

*FCBA, as the notified body N° 0380, carried out the initial inspect of the facility and tested production on site and carried out the audit, assessment and continuous approval of the on-site production (system 2+).*

Ce certificat atteste que toutes les dispositions concernant l'attestation de conformité du contrôle de la production en usine décrites dans la spécification technique harmonisée de référence **NF EN 13986 : 2004 + A1 : 2015** sont appliquées.

*The present certificate attests that all provisions concerning the conformity attestation of the on-site production set forth in the harmonised technical specification of reference NF EN 13986: 2004 + A1 : 2015 have been applied.*

Ce certificat est délivré pour la première fois le 27/11/2013 et, sauf retrait ou suspension, demeure valide tant que les conditions précisées dans la spécification technique harmonisée de référence, les conditions de fabrication en usine et le contrôle de la production en usine restent conformes.

*This certificate was issued for the first time on 27/11/2013, and except for withdrawal or suspension, shall remain valid as long as the conditions described in the harmonised technical specifications, production conditions on the site and production testing in the facility shall continue to conform.*

La liste des certificats de conformité valides est disponible sur le site [www.fcba.fr](http://www.fcba.fr).  
*The list of valid certificates of conformity can be accessed on the [www.fcba.fr](http://www.fcba.fr) site.*

**Siège social**  
10, rue Galilée  
CS 81050 CHAMPS SUR MARNE  
77447 MARNE LA VALLEE CEDEX 2  
Tél +33 (0)1 72 84 97 84  
[www.fcba.fr](http://www.fcba.fr)

Siret 775 690 903 00132  
APE 7219Z  
Code TVA CEE : FR 14 775 690 903

Institut technologique FCBA : Forêt, Cellulose, Bois – Construction, Ameublement

Pour (for) FCBA,  
Alain HOCQUET

Délivré à (Issued in) **CHAMPS-SUR-MARNE**, 20 décembre 2022  
**N° 164/2014/6**  
*(Cancel and replace) Annule et remplace le n° 164/2014-FR/5*



Bordeaux, le 03/04/2023

**SWISS KRONO SAS**  
Route de Cerdon  
45600 SULLY SUR LOIRE

A l'attention de Monsieur BONOMELLI

N/Réf. : IBC-CERT/CM/CCa – 23/0248

Objet : Attestation du maintien de la conformité Système 2+ – 0380-CPR-164

Object: Certificate of conformity conservation - System 2+

Monsieur,

FCBA, en tant qu'organisme certificateur notifié au titre du Règlement des Produits de Construction, a réalisé le 9 et 10/02/2023, l'évaluation et l'appréciation permanente du contrôle de la production en usine dans votre établissement.

*FCBA, as certifying body, gives notice that in the context of the Construction Product Regulations, on 9 et 10/02/2023, a permanent evaluation and assessment of the factory production control in your establishment was completed.*

Cet audit a permis d'établir la conformité du contrôle de la production en usine que vous avez mis en place, aux exigences décrites dans la spécification technique harmonisée de référence NF 13986 - 2004 + A1 : 2015.

*This audit enabled the verification of the conformity of the factory production control that you put into place, within the requirements defined in the NF referenced 13986 - 2004 + A1 : 2015 harmonised technical specifications.*

Cette attestation fait référence au certificat de constance des performances 164/2014/6.

*This certificate refers to the certificate of performance consistency 164/2014/6.*

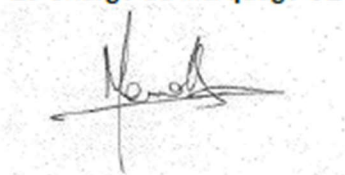
Nous nous tenons à votre disposition pour tout complément d'information si vous le souhaitez.

*We remain at your disposal for any additional information if required.*

Nous vous prions de recevoir, Monsieur, nos sincères salutations.

*Sincerely,*

Le Chargé du Marquage CE



Siège social  
10, rue Gallée  
CS 81050 CHAMPS SUR MARNE  
77447 MARNE LA VALLEE CEDEX 2  
Tél +33 (0)1 72 84 97 84  
[www.fcba.fr](http://www.fcba.fr)

Siret 775 680 903 00132  
APE 7219Z  
Code TVA CEE : FR 14 775 680 903

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