



When exposed to flame, SWISS KRONO OSB/3 stop fire EN300 chars to form a fire-inhibiting layer.

Safety benefits at a glance

- Charring creates a fire-inhibiting layer
- Treated strands for fire-resistant edges as well
- Resistance to fire class C-s2,d0 as per EN 13501-1 (previously class B1)
- Completely formaldehyde-free binders
- As easy to use as standard OSB
- Water-repellent ContiFinish® surfaces
- No smouldering after exposure to fire



15-minute exposure to flame only chars surfaces.

SWISS KRONO OSB/3 stop fire EN300, square-edged and T+G – The classic construction material with built-in fire protection

ContiFinish®, CE, PEFC™

SWISS KRONO OSB/3 stop fire is an enhancement of the high-performing classic construction material, SWISS KRONO OSB/3. Like the basic version, the flame-retarding version is also CE-certified under DIN EN 13986 and an ideal engineered wood product for both loadbearing and reinforcing applications.

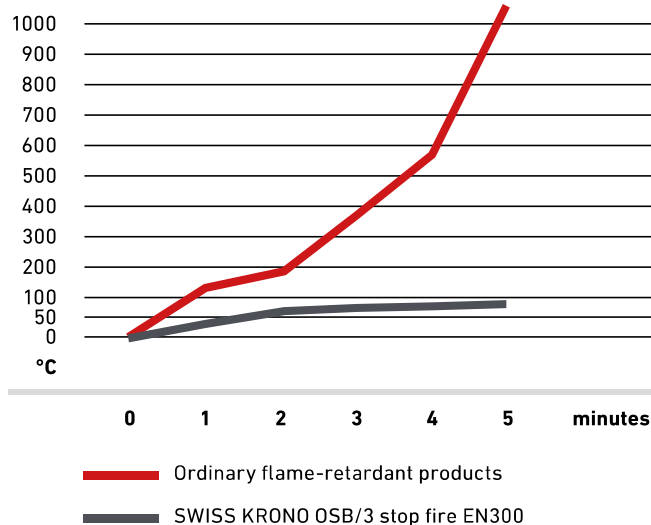
All wood particles are treated during production, so the resulting boards are reliably flame resistant all the way through, even after being worked and at their edges.

Numerous tests have shown that SWISS KRONO OSB/3 stop fire reliably resists catching fire, even after prolonged exposure; its flame resistance actually increases as a result of external charring. SWISS KRONO thus helps prevent

- fires from spreading,
- ambient temperatures from increasing to several hundred degrees Celsius and
- the release of smoke.

The boards are suitable for exterior uses wherever they are not directly exposed to the weather. They can be used in same dimensions as tried-and-proven standard SWISS KRONO OSB/3 and are characterised by all of the same outstanding strength metrics.

Comparison of increases in ambient temperature Minutes



Technical Data Characteristic values acc. to EN 13986

For load-bearing, non-load-bearing and reinforcing purposes in dry and moisture-prone areas

Strand direction	Major axis		Minor axis		
Nominal thickness [mm]	d	>12-18	>18-22	>12-18	>18-22
Strength values [N/mm²]					
Stresses					
Bending	f _{m,k}	16.4	14.8	8.2	7.4
Compression	f _{c,90,k}	10.0		10.0	
Shear	f _{v,k}	1.0		1.0	
Plate loads					
Bending	f _{m,k}	9.4	9.0	7.0	6.,8
Tensile loads	f _{t,k}	9.4	9.0	7.0	6.8
Compression	f _{c,k}	15.4	14.8	12.7	12.4
Shear	f _{v,k}	6.8		6.8	
Stiffness values [N/mm²]					
Stresses					
Modulus of elasticity	E _m ^a	4930		1980	
Shear modulus	G _r ^a	50		50	
Plate loads					
Modulus of elasticity	E _{I/c} ^a	3800		3000	
Shear modulus	G _v ^a	1080		1080	

^a The characteristic stiffness values E_{05} and G_{05} are calculated as follows: $E_{05} = 0.85 \times E$ and $G_{05} = 0.85 \times G$ **Building physics and general values**

Bulk density acc. to EN 323	m	700kg/m ³
Length and width tolerance		± 3mm
Squareness acc. to EN 324-2		2mm/m
Max. deviations in board thickness		± 0.8mm (ContiFinish®)
Thermal conductivity acc. to EN 13986	λ	0.13 W/mK
Water vapour permeability	s_d	≥ 2.0m dry ($\mu \times d$)
Thickness swelling acc. to EN 317		≤ 15%
Coefficient of expansion for 1% change in wood moisture		0.03%
Waste code	EWC	03 01 05
Emissions class		E1 – 100% formaldehyde-free binders (< 0.03ppm)
VOC emissions / DIBt expertise: G-160-20-0005		Compliance with health protection requirements for building structures acc. to MVV TB 2017/1, Annex 8
Utilisation classes acc. to EN V 1995-1-1		1 + 2
Reaction to fire performance class acc. to EN 13501-1		C - s2, d0 - flame retardant
Surface		Crystalline efflorescence possible
Declaration of performance no. acc. to EU construction products regulation		SKDE_OSB-3-SF_CPR_2023_060_EN

Note: The characteristic values are for structural calculations acc. to EN 1995-1-1 and EN 1995-1-2 (EC5).

Delivery Programme and Product Overview

Format [mm]	Thickness [mm]			
	12	15	18	22
2500 x 1250 square-edged	•	•	•	*
3000 x 1250 square-edged		*	•	*
2500 x 675 T+G on all 4 edges		*	•	•
2500 x 1250 T+G on all 4 edges		*	•	•

* On request