

TECHNICAL DATA SHEET

OSB Color/OSB Color Kids NEWS 2018

OSB Colors is a decorative panel used for interior design, furniture, trade fair stands and flooring. OSB Color is produced using the exclusive Bonzano OSB/3 panel **made entirely of poplar obtained from certified plantations, with No Added Formaldehyde** (compliant with NAF standards).

OSB Color is very resistant to chemical agents and abrasion, making it:

- stain-proof
- hygienic and easy to clean
- also suitable for flooring subject to heavy foot traffic

In the **Kids version** the product complies with European standards on chemical emissions in toys.

OSB Color is also **water-repellent** and suitable for outdoor applications*.

** after sealing the edges*

Sizes (mm)

(Others sizes are available on request)

1250x2500

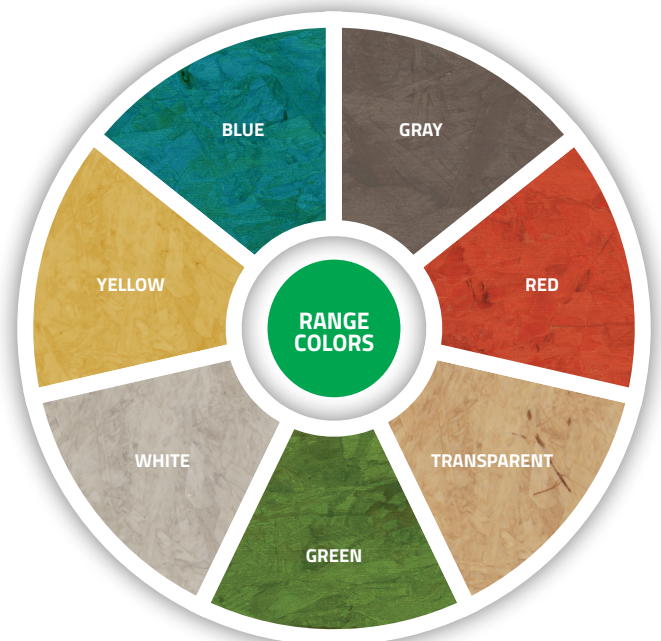
Thicknesses (mm)

(Other thicknesses are available on request)

18

Chemical resistance (UNI 13442)			
LIQUID	TIME	ASSESSMENT	NOTES
Water	16 h	5/5	No degradation
Detergent solution	16 h	5/5	No degradation
Ethyl alcohol 48%	16 h	4/5	Slight ring
Oil	16 h	5/5	No degradation
Coffee	16 h	4/5	Slight ring
Ammonia	16 h	5/5	No degradation

Resistance to abrasion - Taber test (UNI 911500)	
Test level	Class 5/5
Rpm	> 300
Notes	Suitable for flooring subject to medium-heavy foot traffic



OSB Color Kids **NEWS 2018**

OSB Color Kids meets chemical safety requirement standards for toys!

OSB COLOR complies with EUROPEAN STANDARD EN 71-3, the strictest Toy Safety standard in the world.

On the basis of the provisions of EN 71-3, toys must be designed and built to prevent exposure to hazardous chemicals that could be harmful to humans.

In particular, the European Directive requires that all the materials used in the production of toys are analyzed in strict tests that simulate the material coming into contact with the acids in the stomach, introducing notable limits in terms of toxic emissions and the use of carcinogens, mutagens and substances that are harmful for reproduction.

PROPERTY	STANDARD	UNIT OF MEASURE	DATA
Thickness 18 mm			
Mass density	EN323	Kg/m ³ (+/- 5%)	550
Internal bond	EN 319	N/mm ² (+/- 5%)	0,32
Longitudinal bending strength	EN 310	N/mm ² (+/- 5%)	16
Transversal bending strength	EN 310	N/mm ² (+/- 5%)	12
Longitudinal elasticity module	EN 310	N/mm ² (+/- 5%)	3000
Transversal elasticity module	EN 310	N/mm ² (+/- 5%)	1800
Screw-holding – faces	EN 320	N (+/- 10%)	1000
Screw-holding – edges (≥ 15mm)	EN 320	N (+/- 10%)	800
Swelling 24h	EN317	% (+/- 5pp)	10
Boil test	EN1087-1	N/mm ² (+/- 5%)	0,18
Thermal conductivity	EN 12664	W/mK (+/- 5%)	0,1
Moisture content	EN 322	%	5-12
Fire resistance	EN 13501-1	thickness > di 8mm	D-s2,d0
TOLERANCES			
Thickness	EN 324-1	mm	+/- 0,3
Length/ Width	EN 324-1	mm	+/- 3,0
Squareness	EN 324-2	mm/m	2
Edge straightness	EN 324-2	mm/m	1,5

FIELDS OF APPLICATION



FURNITURE



FLOORS



TRADE FAIR
STANDS/
STAGE SETS



FURNISHING

EXPOSURE CLASSIFICATION



Humid interior/
covered exterior



Outdoors*

*after sealing the edges

CERTIFICATIONS/TEST REPORTS



zero
FORMALDEHYDE



FSC
FSC® C119892
(on request)



PEFC
PEFC® 18-31-426
(on request)