



AGEPAN® OSB 4 Ecoboard

- + Heavy duty load-bearing – suitable for a wide range of applications
- + Bulk density $\geq 600 \text{ kg/m}^3$ – suitable for fire protection constructions in accordance with DIN 4102-4
- + Available in a variety of formats
- + Available via a comprehensive dealer network
- + QDF listed

AGEPAN® OSB 4 Ecoboard

Technical Data

Property	Unit	Value
Standard		DIN EN 300 / DIN EN 13986
Utilisation class according to DIN EN 1995-1-1		1 & 2
Raw density ρ	[kg/m ³]	≥ 610
Rated thermal conductivity λ	W/mK	0,13
Water vapour diffusion resistance factor μ		200 / 250 (moist / dry)
Water vapour diffusion equivalent air layer thickness s_d	m	= Board thickness [m] x μ
Thickness swelling in 24 h	%	≤ 12
Specific thermal capacity	J/kgK	1700
Formaldehyde emission class		E1* (<0,03 ppm)
Fire behavior Euroclass according to DIN EN 13501-1		D-s2, d0
Delivery moisture	%	7 ± 5
Change in length per 1% change in moisture content	%	0,015
Disposal		Waste wood category A2; waste code numbers (AVV): 030105, 170201

* Meets the requirements according to the German Chemicals Prohibition Ordinance (E05)

CHARACTERISTIC VALUES acc. to DIN EN 12369-1

Strength values N/mm²

Thickness [mm]	Bending f_m		Tension f_t		Compression f_c		Panel shear f_v	Panel shear f_r
	0°	90°	0°	90°	0°	90°		
6 - 10	24,5	13,0	11,9	8,5	18,1	14,3		
> 10 - 18	23,0	12,2	11,4	8,2	17,6	14,0	6,9	1,1
> 18 - 25	21,0	11,4	10,9	8,0	17,0	13,7		

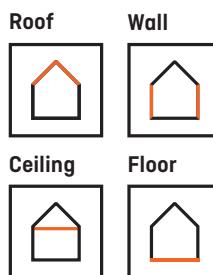
Stiffness values N/mm²

Thickness [mm]	Bending E_m		Tension E_t		Compression E_c		Panel shear G_v	Panel shear G_r
	0°	90°	0°	90°	0°	90°		
6 - 25	6.780	2.680	4.300	3.200	4.300	3.200	1.090	60

Tolerances according to DIN EN 324

Property	Unit	Value
Thickness	mm	± 0,3 / ± 0,8 (sanded / unsanded)
Length and width	mm/m	± 3
Edge straightness	mm/m	1,5
Squareness	mm/m	2

Application areas



AGEPAN® OSB 4 Ecoboard is suitable for load-bearing purposes for use in damp areas (utilisation class 1 + 2) and is recommended for demanding applications in residential, industrial and formwork construction such as

- heavy-duty floor constructions
- heavy-duty, stiffening wall elements and roof panes
- load-bearing roof panelling

CO ₂ storage	Healthy living	Meets the requirements according to the German Chemicals Prohibition Ordinance	Formaldehyde-free glued	Weather-resistant	Produced in Germany



Use products that are certified accordingly: PEFC-certified products can be delivered on demand and within availability. Please specify when ordering.



Your AGEPAN® partner

Technical Datasheet, May 2025

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