



AGEPAN[®] OSB 4 Ecoboard[®]
THE HIGH LOAD-BEARING BOARD

AGEPAN® OSB 4 Ecoboard®

ADVANTAGES

- Very high mechanical strength
- Formaldehyde-free and moisture-proof glued
- Reduced swelling and shrinkage
- Non-detrimental to health – independent confirmation that it is safe to use with foodstuffs
- Suitable as an airtight level or vapour barrier
- High quality confirmed by regular, external inspections
- Raw material exclusively from responsible forest and timber industry

AREAS OF APPLICATION

- Heavy-duty load-bearing OSB panel for the use in humid areas (utilization class 1 + 2)
- Wood-based panel type OSB/4 acc. to EN 300 or DIN EN 13986
- Structural heavy-duty wall elements and roof panelling
- Load-bearing ceiling sheathing
- Heavy-duty floor constructions
- Housing, industrial and formwork construction

TECHNICAL DATA

PROPERTY	UNIT	VALUE
Standard		EN 300 bzw. DIN EN 13986
Bulk density	kg / m ³	≥ 610
Rated thermal conductivity λ _R	W / (m*K)	0,13
Water vapour diffusion resistance factor μ		200 / 250 (wet / dry)
Formaldehyde emission class		E1 – formaldehyde-free glued (< 0,03 ppm)
Fire classification		D-s2, d0
Thickness swelling in 24 h	%	12
Change in length per 1% change in moisture content	%	0,015

CHARACTERISTIC VALUES acc. to EN 12369-1

Property	Unit	Thickness (mm)	Bending f _m		Tension f _t		Compression f _c		Panel shear f _v	Panel shear f _r
			II or 0	I or 90	II or 0	I or 90	II or 0	I or 90		
Strength values	N / mm ²	6 – 10	24,5	13,0	11,9	8,5	18,1	14,3	6,9	1,1
		> 10 – 18	23,0	12,2	11,4	8,2	17,6	14,0		
		> 18 – 25	21,0	11,4	10,9	8,0	17,0	13,7		
Property	Unit	Thickness (mm)	Bending E _m		Tension E _t		Compression E _c		Panel shear G _v	Panel shear G _r
			II or 0	I or 90	II or 0	I or 90	II or 0	I or 90		
Stiffness values	N / mm ²	6 – 25	6.780	2.680	4.300	3.200	4.300	3.200	1.090	60

FUNKTIONSHOLZ®

ECOBOARD



Promoting Sustainable Forest Management

www.pefc.org

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



Your AGEPAN® SYSTEM partner