



**AGEPAN<sup>®</sup> OSB 3 Ecoboard<sup>®</sup>**  
**THE LOAD-BEARING BOARD**

## AGEPAN® OSB 3 Ecoboard®

### ADVANTAGES

- High strength and stability
- Suitable as an airtight layer or vapour barrier
- Non-detrimental to health – independent confirmation that it is safe to use with foodstuffs
- Abrasion-resistant, dirt and water-repellent Contiface surface
- Formaldehyde-free and moisture-proof glueing
- High quality confirmed by regular, external inspections
- Raw material exclusively from responsible forest and timber industry

### AREAS OF APPLICATION

- OSB panel for load-bearing purposes in humid areas (utilization class 1 + 2)
- Wood-based panel type OSB/3 acc. to EN 300 or DIN EN 13986
- Floor construction
- Wall cladding
- Transport packaging

### TECHNICAL DATA

PROPERTY	UNIT	VALUE
Standard		EN 300 bzw. DIN EN 13986
Bulk density	kg / m <sup>3</sup>	≥ 600
Rated thermal conductivity λ <sub>R</sub>	W / (m*K)	0,13
Water vapour diffusion resistance factor μ		150 / 200 (wet / dry)
Formaldehyde emission class		E1 – formaldehyde-free glued (< 0,03 ppm)
Fire classification		D-s2, d0
Thickness swelling in 24 h	%	15
Change in length per 1% change in moisture content	%	0,03

### CHARACTERISTIC VALUES acc. to EN 12369-1

Property	Unit	Thickness (mm)	Bending f <sub>m</sub>		Tension f <sub>t</sub>		Compression f <sub>c</sub>		Panel shear f <sub>v</sub>	Panel shear f <sub>r</sub>
			II or 0	I or 90	II or 0	I or 90	II or 0	I or 90		
Strength values	N / mm <sup>2</sup>	6 – 10	18,0	9,0	9,9	7,2	15,9	12,9	6,8	1,0
		> 10 – 18	16,4	8,2	9,4	7,0	15,4	12,7		
		> 18 – 25	14,8	7,4	9,0	6,8	14,8	12,4		
Property	Unit	Thickness (mm)	Bending E <sub>m</sub>		Tension E <sub>t</sub>		Compression E <sub>c</sub>		Panel shear G <sub>v</sub>	Panel shear G <sub>r</sub>
			II or 0	I or 90	II or 0	I or 90	II or 0	I or 90		
Stiffness values	N / mm <sup>2</sup>	6 – 25	4.930	1.980	3.800	3.000	3.800	3.000	1.080	50

FUNKTIONSHOLZ®

ECOBOARD



Promoting Sustainable Forest Management  
www.pefc.org



Pressure resistant & stable

Quality made in Germany

Environmentally friendly

A one-stop solution

Easy to work with

For healthy living

Weather resistant

Sound insulation

Fire protection

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

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