



AGEPAN® THD cover X

The insulation specialist.

- + Extremely high strength due to an asymmetric density profile – reduced risk of damage
- + Excellent summer heat and winter cold protection
- + UDP-A underlay board – second water-repellent layer, vapour-permeable, windtight, and rainproof
- + Emergency roof function – weather-resistant for up to 8 weeks without additional covering
- + High abrasion resistance – fewer fibers in the plaster, saving time and materials

AGEPAN® THD cover X

Technical Data





Property	Unit	Value
Standard		DIN EN 13171
Raw density ρ	kg/m ³	~ 230
Nominal thermal conductivity λ_D	W/mK	0,047
Rated thermal conductivity λ_B	W/mK	0,049
Water vapour diffusion resistance factor μ		3
Compressive stress/strength	kPa	≥ 200
Tensile strength perpendicular to the plane of the board	kPa	40 mm, 60 mm board thickness: ≥ 10; 80 mm board thickness: ≥ 7,5
Short-term water absorption	kPa s/m ²	≤ 1
Specific thermal capacity	J/kgK	2100
Maximum application temperature	°C	110
Formaldehyde emission class		E1*; NAF (< 0,03 ppm)
Fire behavior Euroclass according to DIN EN 13501-1		E
Outdoor exposure		up to 8 weeks
Board marking		40 mm, 60 mm board thickness: WF-EN 13171-T3-CS(10/Y)200-TR10-WS1,0-MU3; 80 mm board thickness: WF-EN 13171-T3-CS(10/Y)200-TR7,5-WS1,0-MU3
Disposal		Waste wood category A2; waste code numbers (AVV): 030105, 170201

* Meets the requirements according to the German Chemicals Prohibition Ordinance (E05)
NAF = No-added formaldehyde

Building physics parameters


Property	Unit	Board thickness (mm)		
		40	60	80
Nominal value thermal resistance R_D	m ² K/W	0,85	1,25	1,70
Thermal resistance R	m ² K/W	0,80	1,20	1,60
Water vapour diffusion equivalent air layer thickness s_d	m	0,12	0,18	0,24

Application areas Field of application according to DIN 4108-10-2021-11


Roof / Ceiling	Wall
<div><div>External insulation of roof or ceiling, protected from weather exposure, insulation beneath coverings</div></div> <div><div></div></div>	<div><div>External wall insulation behind cladding</div></div> <div><div>Insulation of timber frame construction, timber panel construction and comparable WH compartments</div></div>




Heat and cold protection




CO₂ storage



Healthy living



E05



FF



Weather resistant



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CE



QDF

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Technical Datasheet, May 2025

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