



# AGEPAN<sup>®</sup> 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 $\rho$	kg/m <sup>3</sup>	~ 230
Nominal thermal conductivity $\lambda_D$	W/mK	0,049
Rated thermal conductivity $\lambda_B$	W/mK	0,051
Water vapour diffusion resistance factor $\mu$		3
Compressive stress/strength	kPa	40 / 60 mm board thickness: $\geq 250$   80 mm board thickness: $\geq 200$
Tensile strength perpendicular to the plane of the board	kPa	40 / 60 mm board thickness: $\geq 15$   80 mm board thickness: $\geq 10$
Short-term water absorption	kPa s/m <sup>2</sup>	$\leq 1$
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 / 60 mm board thickness: WF-EN 13171-T4-CS(10/Y)250-TR15-WS1,0-MU3; 80 mm board thickness: WF-EN 13171-T4-CS(10/Y)200-TR10-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 <sup>2</sup> K/W	0,80	1,20	1,60
Thermal resistance R	m <sup>2</sup> K/W	0,75	1,15	1,50
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



External insulation of roof or ceiling, protected from weather exposure, insulation beneath coverings

DAD-ds



### Wall



External wall insulation behind cladding

WAB-ds

Insulation of timber frame construction, timber panel construction and comparable compartments

WH



Heat and cold protection



CO<sub>2</sub> 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 availabilities. Please specify when ordering.



Your AGEPAN® partner

## Technical Datasheet, April 2026

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