

 **AGEPAN**<sup>®</sup>



**COMPLETE  
SOLUTION**

only with AGEPAN<sup>®</sup>



# AGEPAN<sup>®</sup> THD cover M

The robust sarking board.

A brand of  
**SONAE**   
**ARAUCO**

# THE ROBUST SARKING BOARD

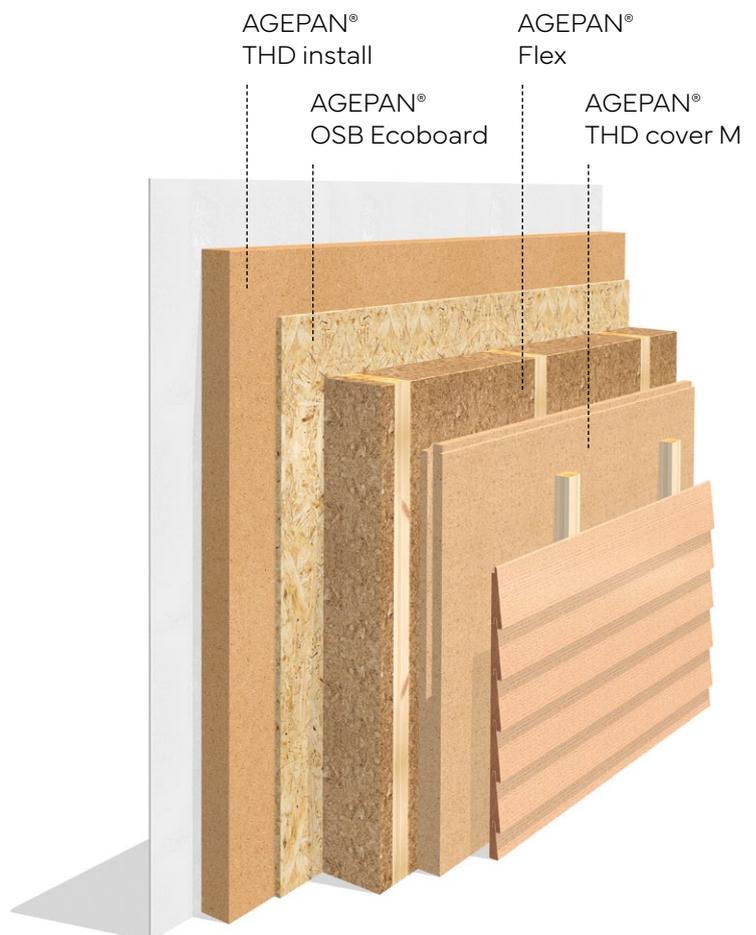
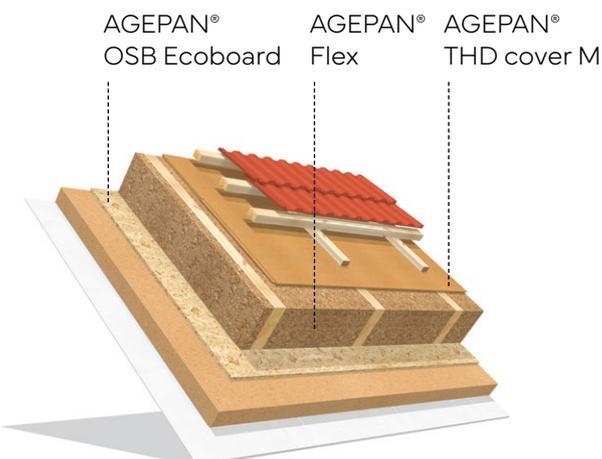
**AGEPAN® THD cover M is a lightweight, hydrophobic wood fibre insulation board according to EN 13171, offering excellent thermal insulation properties made from natural wood fibres.**

When used in roof and wall constructions, it impresses with its compressive strength and outstanding heat protection. AGEPAN® THD cover M contributes to a pleasant indoor climate, reduces the need for air conditioning, and leads to long-term energy savings. The tongue-and-groove roof sarking board meets the requirements of the ZVDH as a rainproof underlay for roof pitches from 15° (UDP-A). It offers maximum flexibility during construction, as it provides temporary roof functionality for up to 4 weeks.

AGEPAN® THD cover M is available with a tongue-and-groove profile in thicknesses from 60 mm to 200 mm. With a thermal conductivity of  $\lambda_D = 0.040 \text{ W/mK}$  and excellent heat storage capacity, it helps optimize a building's energy consumption.

#### Versatile and efficient roof and wall construction board

The vapour-open, rainproof, and thermally insulating roof and wall construction board is the ideal choice for new builds and renovations. Its double-sided usability enables particularly fast and easy installation.



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

Roof / Ceiling		Wall			
	External insulation of roof or ceiling, protected from weathering, insulation beneath waterproofing layers	DAA-dh		External wall insulation behind cladding	WAB-dm
	External insulation of roof or ceiling, protected from weathering, insulation beneath roof coverings	DAD-dm		Insulation of timber frame, timber panel construction, and similar cavities	WH

## Delivery information

Thickness (mm)	Edge	Format (mm)	Coverage (mm)	Board coverage (m <sup>2</sup> )	Pieces / pallet	Weight / pallet (kg)
60	T + G	1760 × 600	1740 × 580	1,01	36	350
80	T + G	1760 × 600	1740 × 580	1,01	26	330
100	T + G	1760 × 600	1740 × 580	1,01	22	350
120	T + G	1760 × 600	1740 × 580	1,01	18	350
140	T + G	1760 × 600	1740 × 580	1,01	16	350
160	T + G	1760 × 600	1740 × 580	1,01	14	350
180	T + G	1760 × 600	1740 × 580	1,01	12	350
200	T + G	1760 × 600	1740 × 580	1,01	10	320

## Technical data

Property	Unit	Value
Standard		DIN EN 13171
Raw density $\rho$	kg/m <sup>3</sup>	~ 140
Nominal thermal conductivity $\lambda_D$	W/mK	0,040
Rated thermal conductivity $\lambda_B$	W/mK	0,042
Water vapour diffusion resistance factor $\mu$	-	4
Compressive stress/strength	kPa	≥ 70
Tensile strength perpendicular to the plane of the board	kPa	≥ 7,5
Short-term water absorption	kg/m <sup>2</sup>	≤ 1
Flow resistance	kPa s/m <sup>2</sup>	≥ 60
Specific thermal capacity	J/kgK	2100
Maximum application temperature	°C	110
Fire behavior Euroclass according to DIN EN 13501-1		E
Outdoor exposure		up to 4 weeks
Board marking		WF-EN 13171-T4-WS1,0-DS[70,-]2-CS[10/Y]70-TR7,5-MU4-AF100
Disposal		Waste wood category A2; waste code numbers (AVV): 030105, 170201

## Building physics parameters

Size	Unit	Board thickness (mm)							
		60	80	100	120	140	160	180	200
Nominal value thermal resistance $R_D$	m <sup>2</sup> K/W	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
Thermal resistance R	m <sup>2</sup> K/W	1,40	1,90	2,35	2,85	3,30	3,80	4,25	4,75
Water vapour diffusion equivalent air layer thickness $s_d$	m	0,24	0,32	0,40	0,48	0,56	0,64	0,72	0,80

### General instructions

- + Only process undamaged boards
- + Move individual boards vertically
- + Exposure to weather when used as underlay boards: up to 4 weeks
- + If the boards have absorbed moisture, re-drying to the required moisture has to be ensured before finishing the component
- + Temporary covering with sheets may be useful here, especially if subsequent works are done after a delay
- + Trimmed joints, connections, and penetrations must be made wind- and driving rain-proof using suitable adhesive tapes, e.g., pro clima® Tescon Vana, Ampack Ampacoll XT, and Siga Wigluv®, each applied with primer. Please observe the respective manufacturer's instructions

### Use in wall areas with ventilated facades

- + Boards can be installed directly onto the supporting structure
- + The following spacing requirements must be observed:
  - Board thickness 60 – 100 mm → max. spacing: 83.5 cm
  - Board thickness 120 – 200 mm → max. spacing: 93.5 cm
- + Install boards precisely and tightly jointed in a staggered pattern
- + The offset between joints must be at least 30 cm
- + Boards must be secured during installation and then fixed with counter battens
- + Tongue points up the ridge/upwards



### AGEPAN® THD cover M, 60 mm

Maximum nail distance (in cm)

Self-weight of facade (kN/m²)	Wind suction (kN/m²)			
	1	2	3	4
	<b>-0,68</b>	<b>-1</b>	<b>-1,33</b>	<b>-1,96</b>
0,3	40 [30]	33 [24]	27 [20]	20 [15]
0,6	27 [20]	24 [17]	20 [15]	16 [12]
0,9	20 [15]	18 [14]	16 [12]	14 [10]

Nails 4.6 × 120 mm (head diameter min. 8 mm)

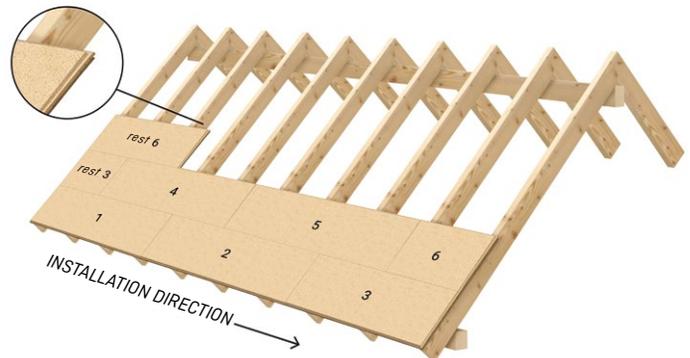
Rib spacing: 62.5 cm (and 83.5 cm)

Counter batten cross-section: 40 × 60 mm

- + From a board thickness of 80 mm, AGEPAN® THD cover M must be fastened using approved screws

### Use as over-rafter insulation

- + The maximum spacing between rafters is 90 cm
- + Install perpendicular to the rafters, starting at the bottom edge (corner area)
- + Begin the second row with the leftover piece from the first row
- + Joint offset must be at least one stud spacing



- + Counter batten fastening must comply with structural requirements and be verified by calculation
- + Runoff surface water may cause discoloration on metal cladding – therefore, use suitable protective films and remove them only after the roof is fully covered
- + AGEPAN® THD cover M is not a load-bearing component (e.g., for snow loads)

### Rainproof sarking board (UDP-A) according to ZVDH

- + AGEPAN® THD cover M is classified as class 3 according to the guideline for sub-roofs, sub-deckings, and underlayments
- + Class 3: sub-roof with wood fibre panels for roof pitches ≥ 14°
- + Taping of board joints is not required
- + Additional nail sealing tapes are not required

### + EMERGENCY ROOF FUNCTION

Flexibility during construction thanks to emergency roof functionality for up to 4 weeks.



### + EVERYTHING FROM A SINGLE SOURCE

Compatible, well coordinated system products for maximum safety and smooth workflows.

### + QUICK AND EASY TO INSTALL

Minimal waste, usable on both sides.

### + HEAT PROTECTION

Creates a pleasant indoor climate, reduces the need for air conditioning, and thus ensures long-term energy savings.



### + SARKING BOARD UDP-A

Second water-draining layer, wind- and rainproof.

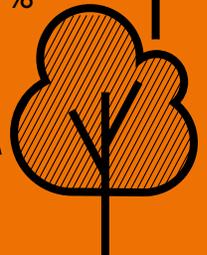


### + QUALITY PRODUCT

High standards, sustainably produced in Germany – resulting in a low CO<sub>2</sub> footprint.

### + FUTURE-ORIENTED

Environmentally friendly product: use of reusable pallets, wood as a natural CO<sub>2</sub> store, sourced 100 % from responsible, controlled, and certified forestry.





## SUSTAINABILITY IS A CORE PRIORITY FOR US.

Protecting the environment is part of our corporate culture. At Sonae Arauco, we are committed to the sustainable use of raw materials and actively uphold these principles throughout the entire production process. AGEPAN® products can contribute to meeting the challenges of climate change.



**AGEPAN® is shaping the future of construction** with sustainable wood fiber solutions that connect people and nature. We aim for every building project to protect the climate and enhance quality of life – today and for generations to come.

			<b>E05</b>	<b>FF</b>		<b>MADE IN GERMANY</b> ☆☆☆
Heat and cold protection	CO <sub>2</sub> storage	Healthy living	Meets the requirements according to the German Chemicals Prohibition Ordinance	Formaldehyd-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.



### Product Flyer, May 2025

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