



# AGEPAN® THD cover M

The robust underlay board.

- + Excellent protection against summer heat and winter cold
- + Quick and easy to install – minimal waste, usable on both sides
- + UDP-A underlay board – second water-draining layer, vapor-permeable, windproof, and rainproof
- + Emergency roof function – weather-resistant for up to 4 weeks without additional covering
- + Natural product – ecological, environmentally friendly and recyclable

# AGEPAN® THD cover M

## 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  |
| Formaldehyde emission class                              |                      | E1*  |
| 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,-)J2-CS(10/Y)70-TR7,5-MU4-AF100       |
| Disposal   |                      | Waste wood category A2; waste code numbers (AVV): 030105, 170201 |


\* Meets the requirements according to the German Chemicals Prohibition Ordinance (E05)


## 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 |


## 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 |  | External wall insulation behind cladding                                    |
|  | DAA-dh   |   | WAB-dm  |
|  | External insulation of roof or ceiling, protected from weathering, insulation beneath roof coverings       |   | Insulation of timber frame, timber panel construction, and similar cavities |
|  | DAD-dm   |   | WH  |


  
Heat and cold protection


  
CO<sub>2</sub> storage

  
Healthy living

  
E05  
Meets the requirements according to the German Chemicals Prohibition Ordinance

  
FF  
Formaldehyde-free glued

  
Weather resistant

  
MADE IN GERMANY  
Produced in Germany

  
Promoting Sustainable Forest Management  
PEFC  
PEFC/14-35-00013 www.pefc.co.uk

  
THIRD-PARTY VERIFIED  
EPD  
Institut Bauen und Umwelt e.V.

  
QDF

  
CE

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### Technical Datasheet, May 2025

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