



AGEPAN® DWD protect

- + Stable tongue and groove profile – quick and safe installation
- + Reaction to fire – tested and classified as D-s1, d0
- + Emergency roof function – flexibility in the construction process thanks to temporary roof function for up to 8 weeks
- + UDP-A sarking board – second water-repellent layer, vapour-permeable, airtight and rainproof
- + Ecological, environmentally friendly and recyclable
- + High quality is confirmed by regular, external monitoring

AGEPAN® DWD protect

Technical Data

Property	Unit	Value
Standard		DIN EN 622-5 / DIN EN 13986
Technical standard		MDF.RWH
Raw density ρ	kg/m ³	~ 565
Nominal thickness	mm	16
Thermal conductivity λ	W/mK	0,09
Water vapour diffusion resistance factor μ		11
Water vapour diffusion equivalent air layer thickness s_d	m	0,18
Bending strength	N/mm ²	14
Modulus of elasticity	N/mm ²	1800
Internal bond	N/mm ²	0,35
Swelling in thickness	%	≤ 8,5
Internal bond after boil test	N/mm ²	0,06
Specific thermal capacity	J/kgK	1700
Maximum application temperature	°C	110
Formaldehyde emission class		E1*, NAF (< 0,03 ppm)
Fire behavior Euroclass according to DIN EN 13501-1		D-s1, d0
Moisture content upon delivery	%	9 ± 4
Max. rafter spacing	m	1,00
Permissible axial dimension according to ÖNORM B 4119:2018-03	m	≤ 1,00
Outdoor exposure		up to 8 weeks
Disposal		Waste wood category A2; waste code numbers (AVV): 030105, 170210

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

Tolerances according to DIN EN 324

Property	Unit	Value
Thickness	mm	± 0,3 mm
Length and width	mm/m	± 2
Edge straightness	mm/m	1,5
Squareness	mm/m	2

Application areas

Roof/Ceiling



AGEPAN® DWD protect with tongue and groove to be used as sarking board type IL in accordance with EN 14964

Rainproof additional measures of class 3 for roof pitches > 14° acc. to the ZVDH „leaflet under-roof, underlayment and under-roof sheets“; UDP-A

Wall



Joint load-bearing cladding of in-plane loaded wall panels for the stabilisation of bar-shaped ribs at risk of buckling or tilting according to German general construction technique permit (aBG) Z-9.1.-382

Rigid sarking board as a second water-repellent layer and windproof layer for rear-ventilated exterior wall cladding and roof covering in accordance with DIN 68 800-2



CO₂ storage



Healthy living



Meets the requirements according to the German Chemicals Prohibition Ordinance



Formaldehyde-free glued



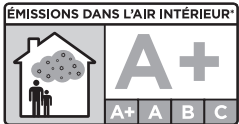
Weather resistant



Produced in Germany



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



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Your AGEPAN® partner

Technical Datasheet, May 2025

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