AGEPAN®

+ OSB
+ DWD

COMPLETE SOLUTION
only with AGEPAN®

AGEPAN® UDP

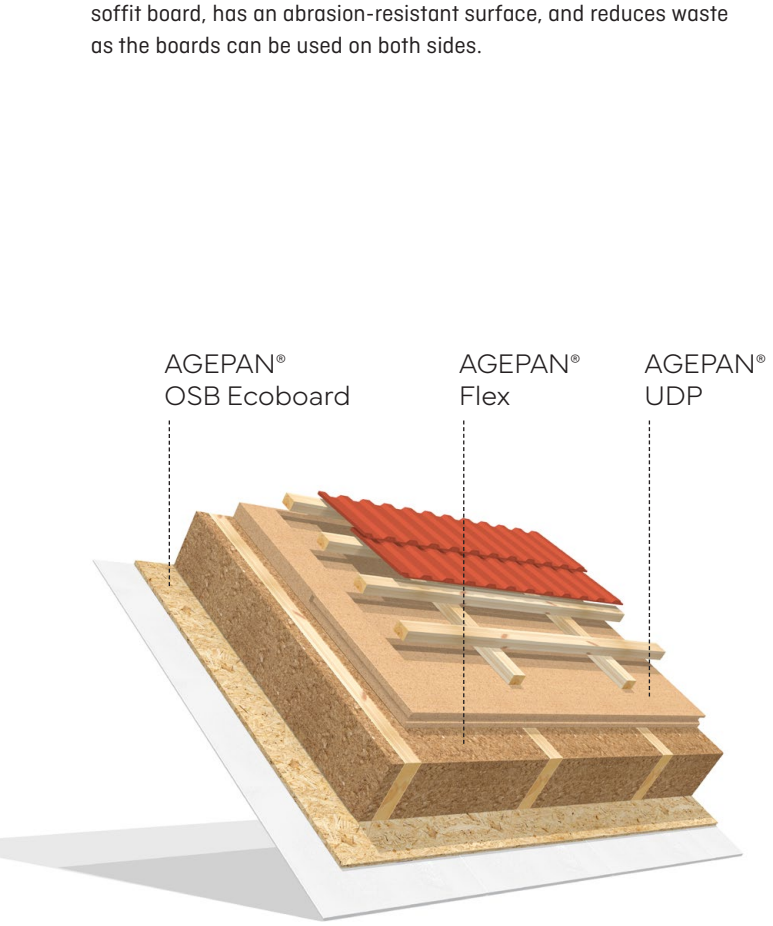
The solid sarking board.

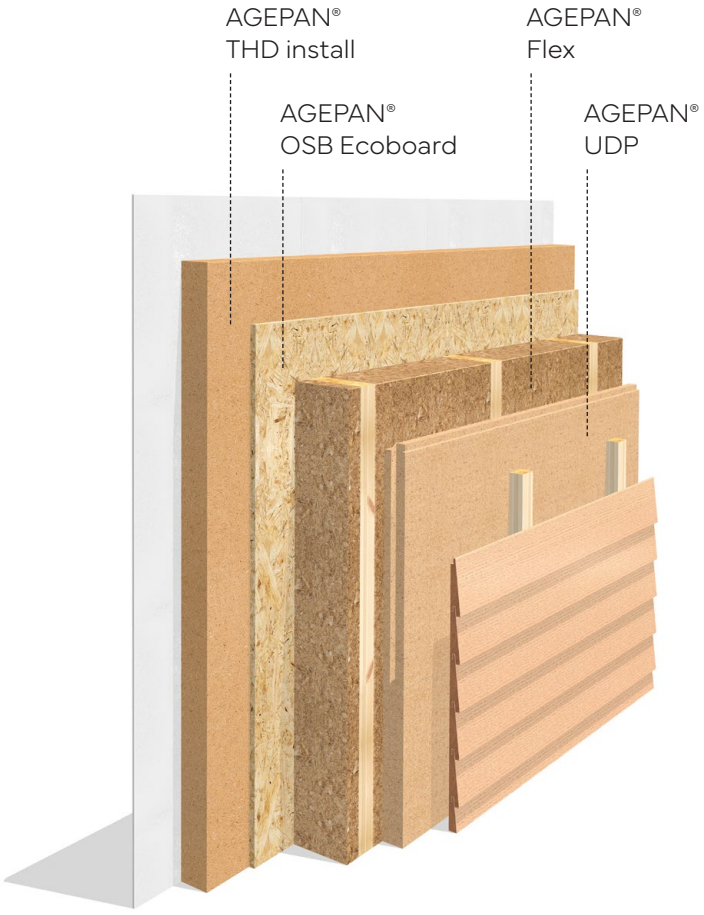
A brand of SONAE ARAUCO

THE SOLID SARKING BOARD

AGEPAN® UDP is a vapour-permeable wood fibre insulation board in accordance with EN 13171 for use in rear-ventilated roof and wall constructions.
It acts as a second water-repellent layer and as a windproof and rainproof sarking board. It is completely hydrophobic, absorbent, and, if necessary, can serve as an emergency roof for up to eight weeks after storm damage. AGEPAN® UDP can be used in accordance with ZVDH regulations (UDP-A). It can also be used as a plasterable soffit board, has an abrasion-resistant surface, and reduces waste as the boards can be used on both sides.

Particularly stable
The tubular-shaped density profile gives the board high strength and resistance. The fact that it can be used on both sides ensures maximum flexibility and reduces waste.





+ EMERGENCY ROOF FUNCTION

Flexibility in the construction process thanks to temporary roof function for up to 8 weeks.

+ VERSATILE APPLICATION

Can also be used as interior insulation in floor areas or as a plasterable soffit board.

+ CAN BE USED ON BOTH SIDES

Little waste, quick and easy to work with.

+ FUTURE-ORIENTED

Environmentally friendly product: wood is a natural CO_2 store that comes from 100 % responsible, controlled, and certified forestry.

+ UNDERLAY UDP-A

Second water-repellent layer, vapor-permeable, windproof, and rainproof.

+ TROUGH-SHAPED BULK DENSITY PROFILE

Particularly strong and robust.

+ QUALITY PRODUCT

High standards, sustainably produced in Germany – and therefore a low carbon footprint.

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
 Interior insulation of the ceiling or floor slab (top side), beneath screed, without sound insulation requirements	DEO-ds

Wall

 External wall insulation behind cladding	WAB-ds
Insulation of timber frame construction, timber board construction and comparable compartments	WH
External wall insulation system with render finish	WAP-zh

Delivery information

Thickness (mm)	Edge	Format (mm)	Cover dimension (mm)	Cover dimension board (m^2)	Pieces/package	Packages/pallet	Weight/pallet (kg)
22	T+G	2520 x 610	2500 x 590	1.48	48	1	460
25*	T+G	2520 x 610	2500 x 590	1.48	42	1	460
32*	T+G	2520 x 610	2500 x 590	1.48	33	1	460

* On request

Technical Data

Property	Unit	Value
Standard		EN 13171
Raw density ρ	kg/m^3	~ 270
Nominal thermal conductivity λ_D	W/mK	0.051
Rated thermal conductivity λ_B	W/mK	0.054
Water vapour diffusion resistance factor μ	–	5
Compressive stress/strength	kPa	≥ 250
Tensile strength perpendicular to the plane of the board	kPa	≥ 10
Short-term water absorption	kg/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		WF-EN13171-T5-DS(70,90)1-CS(10/Y)250-TR10-WS1,0-MU5
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

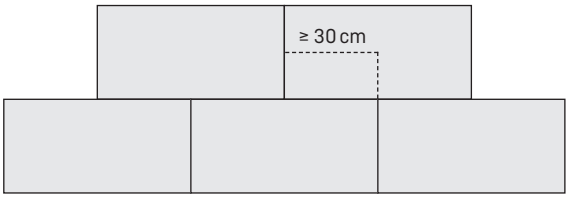
Property	Unit	Board thickness (mm)		
		22	25	32
Nominal value thermal resistance R_D	m^2K/W	0.40	0.45	0.60
Thermal resistance R	m^2K/W	0.40	0.45	0.55
Water vapour diffusion equivalent air layer thickness s_d	m	0.11	0.13	0.16

General information

+ Only use undamaged boards
+ Move individual boards upright
+ When used as an sarking board, allow up to 8 weeks for weathering
+ If moisture is absorbed, ensure that the board is dried back to its working moisture content
+ If subsequent work is delayed, it may be advisable to cover the board with suitable covering material for a period of time
+ Trimmed joints, connections, and penetrations must be wind-proof and rainproof sealed with suitable adhesive tapes, e.g. pro clima® / TESCON VANA, Ampack / Ampacoll XT, and SIGA / SIGA Wigluv®, each with primer. Follow the manufacturer's instructions

Use in wall areas with ventilated façades

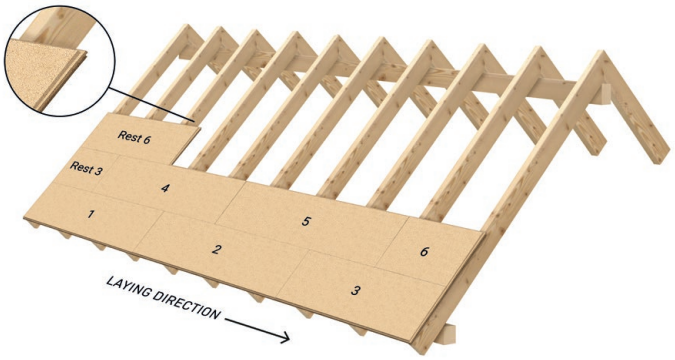
+ Boards can be laid directly onto the supporting structure
+ The following grid dimensions must be observed:
  – Board thickness 22 mm → max. grid 62.5 cm
  – Board thickness 25 mm and 32 mm → max. grid 83.5 cm
+ Lay boards precisely and joint-tight in a bond pattern
+ The joint offset is at least 30 cm



+ Tongue points upward or toward the ridge
+ Expansion joints are required for contiguous roof surfaces longer than approx. 7 m
+ The boards must be fixed in place during installation and then secured with counter battens

Use as sarking board in roof areas

+ The maximum grid dimension of the rafters is:
  – Board thickness 22 mm → max. grid 85 cm
  – Board thickness 25 mm → max. grid 90 cm
  – Board thickness 32 mm → max. grid 100 cm
+ Tongue points upward toward the ridge
+ Laying at right angles / to the rafters, starting at the lower edge (corner area)
+ Laying of the second row begins with the remaining piece of the first row
+ Fasten the board to at least 2 rafters
+ Offset of at least 1 bay axis dimension
+ Expansion joint required for continous deck areas from approx. 7 m



+ Fix the boards in place after installation and then secure them with counter battens
+ The fastening of the counter batten are depending on the loads and should be carried out according to structural verification
+ AGEPAN® UDP is not a load-bearing component (e.g., snow loads)

Design aids for counter batten fastening for over-rafter insulation and façades can be found at www.sonaearauco.com.

Rainproof underlay (UDP-A) in accordance with ZVDH

+ Rainproof additional measures in accordance with ZVDH "Merkblatt für Unterdächer, Unterdeckungen und Unterspannungen" of class 3 for roof pitches ≥ 15°; UDP-A
+ Additional taping of tongue and groove joints is not necessary
+ Nail sealing tapes are not necessary

AGEPAN® shapes the future of building with sustainable wood fiber solutions that connect people and nature. We aim for every construction project to preserve the climate, and enhance quality of life – today and for future generations.

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.

Heat and cold protection

CO_2 storage

Healthy living

E05 – Meets the requirements according to the German Chemicals Prohibition Ordinance

FF – Formaldehyd-free glued

Weather resistant

MADE IN GERMANY – Produced in Germany

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

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

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

QDF

CE

Your AGEPAN® partner

Product Flyer, February 2026

AGEPAN®

www.sonaearauco.com