AGEPAN®

+ OSB
+ DWD

COMPLETE SOLUTION

only with AGEPAN®

AGEPAN® Flex

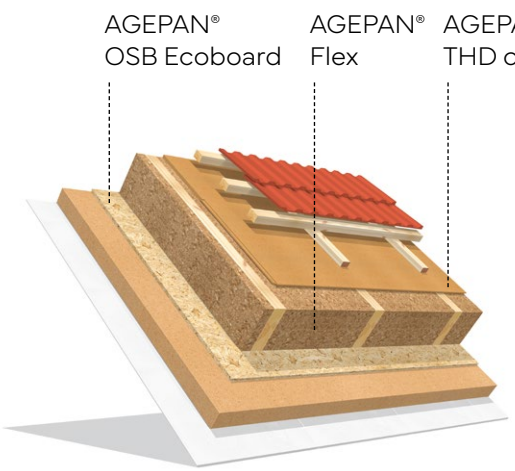
The flexible cavity insulation.

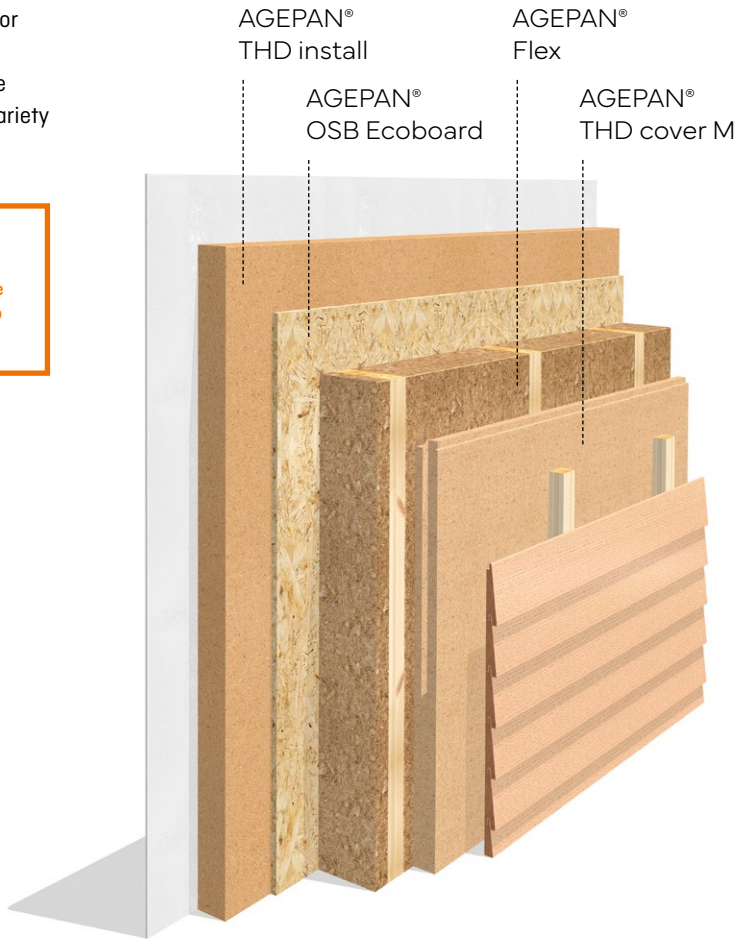
A brand of SONAE ARAUCO

THE FLEXIBLE CAVITY INSULATION

AGEPAN® Flex is a flexible wood fiber insulation mat according to EN 13171, suitable for cavity insulation in walls, ceilings, and roofs. Its flexible yet firm structure allows it to be cut precisely and quickly, saving time and minimising waste. This creates little dust and dirt, which significantly improves the working environment. The high clamping effect ensures a secure hold in the cavity and enables easy, safe and quick installation. AGEPAN® Flex provides excellent thermal insulation, ensuring a pleasant indoor climate, reducing the need for air conditioning, and saving energy in the long term. Its high vapor permeability offers reliable protection for the structure. With a wide range of thicknesses and formats, AGEPAN® Flex is suitable for a variety of requirements.

Versatile insulation for every construction project
AGEPAN® Flex, made from natural wood fibers, offers a wide range of applications – from between-rafter insulation in roofs to cavity insulation in timber frame constructions for interior and exterior walls, and even ceiling insulation. It is also suitable for insulating partition walls and for use in drywall construction.





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

Roof / Ceiling

 Interior insulation of the ceiling (underside) or the roof, insulation between the rafters/ supporting structure, suspended ceiling, etc.	DI-zk
 Insulation between rafters, double-layer roof, non-walkable but accessible top floor ceilings	DZ

Wall

 Interior wall insulation	WI-zk
Insulation of partition walls	WTR
Insulation of timber frame, timber panel construction and similar cavities	WH

zk = no requirement for tensile strength

Delivery information

Thickness (mm)	Edge	Format (mm)	Coverage (mm)	Board coverage (m²)	Pcs/Pack.	Pack./Pallet	Weight/Palette (kg)
40	blunt	1350 × 575	1350 × 575	0,78	8	14	200
60	blunt	1350 × 575	1350 × 575	0,78	8	10	200
80	blunt	1350 × 575	1350 × 575	0,78	6	10	200
100	blunt	1350 × 575	1350 × 575	0,78	4	12	200
120	blunt	1350 × 575	1350 × 575	0,78	4	10	200
140	blunt	1350 × 575	1350 × 575	0,78	4	8	200
160	blunt	1350 × 575	1350 × 575	0,78	3	10	200
180	blunt	1350 × 575	1350 × 575	0,78	3	8	200
200	blunt	1350 × 575	1350 × 575	0,78	2	12	200
220	blunt	1350 × 575	1350 × 575	0,78	2	10	200
240	blunt	1350 × 575	1350 × 575	0,78	2	10	200

Technical data

Property	Unit	Value
Standard		DIN EN 13171
Raw density ρ	kg/m³	~ 50
Nominal thermal conductivity λ_D	W/mK	0,036
Rated thermal conductivity λ_B	W/mK	0,038
Water vapour diffusion resistance factor μ	–	2
Tensile strength perpendicular to the plane of the board	kPa	≥ 1
Flow resistance	kPa s/m²	≥ 5
Specific thermal capacity	J/kgK	2100
Maximum application temperature	°C	110
Fire behavior Euroclass according to DIN EN 13501-1		E
Board marking		WF-EN 13171-T3-TR1-MU2- AFr5
Disposal		Waste wood category A2; waste code numbers (AVV): 030105, 170201

Building physics parameters

Sice	Unit	Board thickness (mm)										
		40	60	80	100	120	140	160	180	200	220	240
Nominal value thermal resistance R_D	m² K/W	1,10	1,65	2,20	2,75	3,30	3,85	4,40	5,00	5,55	6,10	6,65
Thermal resistance R	m² K/W	1,05	1,55	2,10	2,60	3,15	3,65	4,20	4,70	5,25	5,75	6,30
Water vapour diffusion equivalent air layer thickness s_d	m	0,08	0,12	0,16	0,20	0,24	0,28	0,32	0,36	0,40	0,44	0,48

General instructions

+ Cutting can be carried out using the following tools:
  - Electric handsaw
  - Insulation or reciprocating saw
  - Band saw or circular saw with dust extraction
  - Insulation knife
+ Drilling cutouts for flush-mounted boxes or pipe penetrations is possible using hole saws
+ Compressing the boards prevents edge gaps
+ Boards in roof and ceiling areas must be secured promptly after installation to prevent them from falling out
+ The maximum insulation thickness corresponds to the depth of the studs or the height of the rafters
+ Ceiling spotlights or other built-in elements with a surface temperature > 100°C must not come into direct contact with AGEPAN® Flex and must be appropriately enclosed

Installation with clamping allowance

Cutting and installation between studs or rafters should include an oversize in length and width, followed by compression fitting.

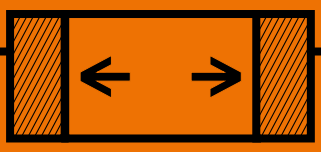
Clamping table

Board thickness (mm)	Max. span width (mm)
40	450
60	500
80	565
100	600
120	650
140	700
160	750
180	800
200	850
220	900
240	950

The clamping allowance depends on the insulation thickness and the clear rafter spacing; it should be ≥ 1 % of the clear width of the cavity in both transverse and longitudinal directions.

+ HIGH CLAMPING EFFECT

Holds securely in the cavity – for easy, safe, and fast installation.



+ HEAT PROTECTION

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

+ EVERYTHING FROM A SINGLE SOURCE

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

+ CUTTING QUALITY

Fine-fibered structure for better cutting results and less waste.

+ FUTURE-ORIENTED

Environmentally friendly product: use of reusable pallets, wood as a natural CO_2 store, sourced 100% from responsible, controlled, and certified forestry.

+ QUALITY PRODUCT

High standards, sustainably produced in Germany – resulting in a low CO_2 footprint.

+ HOMOGENEOUS STRUCTURE

Comfortable to work with, minimal loose fibers.

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

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, May 2025

AGEPAN®

www.sonaearauco.com