

A photograph of a rectangular, light-colored wood fibre board (AGEPAN DWD fire X) positioned horizontally. The board is shown against a background of intense orange and yellow flames, which appear to be rising from beneath it, illustrating its fire-resistant properties.

# AGEPAN<sup>®</sup> DWD fire X

The fire protection board.

- + Fire protection constructions according to standards due to raw density of  $630 \text{ kg/m}^3$
- + First MDF.RWH with improved reaction to fire (fire retardant)
- + Reaction to fire classified B-s2,d0, limited contribution to fire (B), moderate smoke (s2), no flaming droplets (d0)
- + May reduce the spread of fire
- + Vapour-open wood fibre board

# AGEPAN® DWD fire X

## Technical Data

Property	Unit	Value
Standard		DIN EN 622-5 / DIN EN 13986
Technical class		MDF.RWH
Raw density $\rho$	kg/m <sup>3</sup>	~ 630
Nominal thickness	mm	16
Nominal thermal conductivity $\lambda$	W/mK	0,1
Water vapour diffusion resistance factor $\mu$		12
Water vapour diffusion equivalent air layer thickness $s_d$	m	0,19
Bending strength	N/mm <sup>2</sup>	14
Modulus of elasticity	N/mm <sup>2</sup>	1600
Internal bond	N/mm <sup>2</sup>	0,3
Swelling in thickness	%	≤ 10
Internal bond after boil test	N/mm <sup>2</sup>	0,06
Specific thermal capacity	J/kgK	1700
Maximum application temperature	°C	110
Formaldehyde emission class	Class	E1*, NAF (<0,03 ppm)
Fire behavior Euroclass according to DIN EN 13501-1		B-s2, d0**
Moisture content upon delivery	%	9 ± 4
Outdoor exposure		Exposure to the elements not permitted
Disposal		Waste wood category A2; waste code numbers (AVV): 030105, 17020

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

\*\* Application acc. to classification report KB-Hoch-250716

NAF = No-Added Formaldehyde

## Tolerances according to DIN EN 324

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

## Application areas

### Wall



Vapour-open and stable wall board for constructions with increased fire protection requirements

Suitable for fire protection constructions in accordance with DIN 4102-4 (bulk density ≥ 600 kg/m<sup>3</sup>)



Fire protection

CO<sub>2</sub> storage

Healthy living

Meets the requirements according to the German Chemicals Prohibition Ordinance

Formaldehyde-free glued

Produced in Germany



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

Your AGEPAN® partner

## Technical Datasheet, November 2025

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