



AGEPAN[®] DWD black
THE BLACK ONE

AGEPAN® DWD black

The AGEPAN® DWD black is a vapour-permeable MDF. RWH according to DIN EN 622-5, can be used according to DIN EN 14964. AGEPAN® DWD black can be used without facade membranes behind exterior wall claddings with open joints where the conditions of service class 1+2 according to DIN EN 1995-1-1 are met. **The architect / planner must provide proof of suitability.**

ADVANTAGES

- Perfect for use in open facades
- UV and moisture-resistant, according to test report U-ZELLUBA-2020-02, WKI Braunschweig (Germany)
- Excellent appearance due to the uniform black dyeing
- Raw density $\geq 600 \text{ kg/m}^3$
- Formaldehyde free-glued
- High quality confirmed by regular external monitoring
- Optimum indoor climate due to moisture-regulating properties

AREAS OF APPLICATION

- Solid planking of exterior walls in timber construction as a second water-discharging and windproof layer
- Rear-ventilated exterior wall claddings with open joint portion according to DIN 68 800-2
- Can be used in service class 1+2 according to DIN EN 1995-1-1
- Suitable for fire protection constructions according to DIN 4102-4 (density $\geq 600 \text{ kg/m}^3$)
- Sarking board in compliance with german ZVDH (Central Association of German Roofers) regulations: UDP-A

TECHNICAL DATA

PROPERTY	UNIT	VALUE	
Standard / Approval certificate		DIN EN 622-5 / DIN EN 13986	
Nominal thickness	mm	16	
Calculated dimension	mm	2515 x 640	3000 x 1247
Coverage	mm	2500 x 625	3000 x 1247
Edge design		T+G	Butt-edged
Bulk density	kg / m ³	≥ 600	
Thermal conductivity λ	W / (m*K)	0,10	
Water vapour diffusion resistance factor μ		12	
Water vapour diffusion equivalent air layer thickness s_d	m	0,19	
Formaldehyde emission class		E1 – formaldehyde-free glued	
Fire behaviour acc. to DIN EN 13501-1		D-s1,d0	
Building material class acc. to DIN 4102		B2	
Moisture content upon delivery	%	9 \pm 4	
Change in length per 1% change in moisture content	%	0,035	
Max. center distance	m	0,835	

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