



AREAS OF APPLICATION

DIN 4108-10:

DAD, DAA-ds, DI, DEO-ds,
WAB ds, WAP, WI, WH, WZ, DZ



naturheld 140

Compression-resistant wood fibre insulation board

Advantages and characteristics

- Universal, lightweight insulation board
- UDP-A underlay board as a rainproof sub-roof in accordance with ZVDH regulations from a roof pitch of 15° (T+G 60-180mm)
- UDP-A: Tested as a rainproof sub-roof in accordance with ÖN B4119 by Holzforschung Austria (T+G 60-180mm)
- ETICS insulation can be plastered directly, for timber frame construction and stud frame (T+G 80-160mm)
- Numerous approved plaster systems
- Can be exposed to the weather for 4 weeks before protecting, when installed on a solid structure
- For rear-ventilated facades in which case the insulation boards can be exposed to the elements for up to 4 months
- Can be plastered or clad directly for interior insulation
- For the top storey ceiling
- For floor insulation under wet screed
- Suitable for flat roof insulation



Technical Data

Labelling	WF-EN 13171-T5-CS(10/Y)100-TR20-DS(70,-)3-AFr60-WS1,0-MU3		
Density	kg/m ³	140	
Nominal thermal conductivity λ_b EU		W/(mK)	0,041
Rated thermal conductivity	λ_b DE	W/(mK)	0,043
	λ_b CH	W/(mK)	0,041
	λ_b AT	W/(mK)	0,045
Fire behaviour according to DIN EN 13501-1	E		
Building material class according to DIN 4102-1	B2		
Full declaration	Wood fibres, PMDI adhesive, paraffin		
Compressive stress at 10% compression	kPa	≥ 100	
Tensile strength perpendicular to the plane of the panel	kPa	≥ 20	
Linear flow resistance	kPa*s/m ²	> 60	
Water vapour diffusion resistance factor	μ 3		
Specific heat capacity	J/(kgK)	2100	
Dynamic stiffness	MN/m ³	60 mm < 65, 80 mm < 50, 140 mm < 30	
Waste key numbers according to AVV	030105/170201, Wood and wood-based materials, waste wood category A II		

Generation 2.0



MADE IN GERMANY



Acara Concepts Ltd
Killossery, Kilsallaghan,
Co Dublin K67 E7N3, Ireland
www.acaraconcepts.com
info@acaraconcepts.com
Tel IRL: +353 (0)1 8409 286
Tel UK: 020 7998 1690

Delivery form

FORMAT 1250 x 600 mm · INTERIOR INSULATION · SQUARE-EDGED

Thickness (mm)	m ² / pallet	pcs/pallet
40*	42,00	56
60*	28,50	38

FORMAT 1880 x 615 mm · FOR FAÇADES AND ROOFS · WITH TONGUE AND GROOVE

Thickness (mm)	Cover dimension (mm)	m ² /pallet (gross dimension)	m ² /pallet (cover dimension)	pcs/pallet
60	1856 x 591	43,94	41,68	38
80	1856 x 591	32,37	30,71	28
100	1856 x 591	25,44	24,13	22
120	1856 x 591	20,81	19,74	18
140	1856 x 591	18,50	17,55	16
160	1856 x 591	16,19	15,36	14
180	1856 x 591	13,87	13,16	12
200*	1856 x 591	11,56	10,97	10
220*	1856 x 591	11,56	10,97	10

SINGLE-VARIETY LOADING (ON STANDARD LORRY, LOADING SPACE 2,40 X 13,60M)

Panel format (mm)	Pallet dimensions (mm; approx.)	Pallets per lorry
1250 x 600	1250 x 1200 x 1300 (L x W x H)	40
1880 x 615	1880 x 1210 x 1300 (L x W x H)	28

*auf Anfrage