



AREAS OF APPLICATION

DIN 4108-10:

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



naturheld 180





Compression-resistant wood fibre insulation board

Advantages and characteristics

- Robust universal insulation board
- UDP-A underlay board as a rainproof sub-roof in accordance with ZVDH regulations from a roof pitch of 15°
- UDP-A: Tested as a rainproof sub-roof in accordance with ÖN B4119 at Holzforschung Austria
- ETICS for timber frame construction up to 83.3 cm centre distance
- Numerous approved plaster systems
- Can be exposed to the weather for up to 12 weeks if the construction is open from the inside and the insulation board is visible
- 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 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)150-TR30-DS(70,-)3-AFr100-WS1,0-MU3	
Density		kg/m ³	180
Nominal thermal conductivity λ_b EU		W/(mK)	0,043
Rated thermal conductivity	λ_b DE	 W/(mK)	0,045
	λ_b CH	 W/(mK)	0,043
	λ_b AT	 W/(mK)	0,047
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	≥ 150
Tensile strength perpendicular to the plane of the panel		kPa	≥ 30
Linear flow resistance		kPa*s/m ²	> 100
Water vapour diffusion resistance factor		μ 3	
Specific heat capacity		J/(kgK)	2100
Dynamic stiffness		MN/m ³	40 mm < 90, 60 mm < 60
Waste key numbers according to AVV		030105/170201, Wood and wood-based materials, waste wood category A II	

Generation 2.0



MADE IN GERMANY



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Delivery form

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
40	1858 x 593	64,75	61,70	56
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

LONG FORMAT 2550 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
40	2528 x 593	87,82	83,95	56
60	2526 x 591	59,59	56,73	38

LARGE FORMAT 2700 x 1250 mm AND 3000 x 1250 mm · FOR PREFABRICATION · SQUARE-EDGED

Format (mm)	Thickness (mm)	Cover dimension (mm)	m ² /pallet (cover dimension)	pcs/pallet
2700 x 1250	60*	2700 x 1250	64,13	19
3000 x 1250	60*	3000 x 1250	71,25	19

LARGE FORMAT 2550 x 1185 mm · FOR PREFABRICATION · WITH TONGUE AND GROOVE

Thickness (mm)	Cover dimension (mm)	m ² /pallet (gross dimension)	m ² /pallet (cover dimension)	pcs/pallet
60*	2526 x 1161	57,41	55,72	19

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

Panel format (mm)	Pallet dimensions (mm; approx.)	Pallets per lorry
3000 x 1250	3000 x 1250 x 1300 (L x W x H)	16
2700 x 1250	2700 x 1250 x 1300 (L x W x H)	20
2550 x 1185	2550 x 1185 x 1300 (L x W x H)	20
2550 x 615	2550 x 1210 x 1300 (L x W x H)	20
1880 x 615	1880 x 1210 x 1300 (L x B x H)	28

*auf Anfrage