





UdiUNGER-DIFFUTHERM® WOOD-FIBRE INSULATION BOARDS



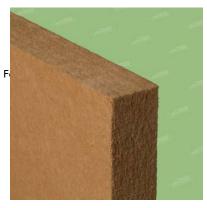
UdiUNGER-DIFFUTHERM® NF

The patented, wood-fibre sandwich-layer insulation board. The basic element for all *Udi*Insulation systems - for interior and exterior use. Suitable for direct plaster/render application on both sides. Tongue and groove joints on all edges. Format:130 x 79 cm; 250 x 125 cm



UdiUNGER-DIFFUTHERM® L

Wood-fibre insulation board for window reveals and soffit areas. Suitable for direct plaster/render or adhesive application on both sides. Flat facing on all edges. Format: 120 x 60 cm



UdiUNGER-DIFFUTHERM® SK

Homogenous wood-fibre insulation board. For installation under the upper insulation board by an insulation thickness of 120 mm and above. Not suitable for direct plaster/render application. Flat facing on all edges.

Udi**UNGER-DIFFUTHERM®** is the perfect insulation element against the cold as well as the hot weather. Suitable for direct rendering, it forms the basis for Unger-Diffutherm's tried and tested composite thermal insulation systems. These building inspectorate approved building products offer the customer a choice of environmentallyfriendly, innovative insulation solutions combining improved livingquality with protection for Mother Earth. The wood-fibre boards, produced using a wet-manufacturing process, are now available within our Udi**FRONT®**SYSTEM and Udi**IN®**SYSTEM insulation solutions. The sandwich-layer construction of the boards is complemented and optimised by our specially designed system components e.g. UdiPERL®SYSTEM STRUCTURED FINE RENDERS, UdiASSEMBLY® and UdiREINFORCEMENT® products - which are detailed within the catalogue. Our systems provide comprehensive protection for every building: in summer you will really feel the benefits of the additional heat shield and on cold days its optimal thermal insulation qualities - providing you with a comfortable room climate all year round. Negative effects such as the build-up of condensation are eliminated due to its excellent construction-related characteristics in building physics.





Technical Data:

	Udi UNGER-DIFFUTHERM[®] NF Tongue and groove edges	Udi UNGER-DIFFUTHERM® L/SK Flat edged
Applications	in Germany: according to DIN V 4108 - 10 DAD, aDZ, DI, DEO, WAB, WAP, WH, WI, WTR nach DIN EN 13171 T4-CS(10\Y)70-TR7,5-WS1,0	in Germany: according to DIN V 4108 - 10 DAD, DZ, DI, DEO, WAB, WAP, WH, WI, WTR nach DIN EN 13171 T3-CS(10\Y)70-TR2,5-WS2,0
Test standards		
DiBt-approval	Z-23.15-1429	Z-23.15-1429
System Approvals		
Timber construction	Z-33.47-663	
Mineral based foundation/substrate	Z-33.43-204	
Fire behaviour classification	F 90 AB	
Contents	Softwood max. 0.5 % Paraffin 2 % PVAC (For gluing the insulation layers for a thickness above 40 mm)	Softwood max. 0.5 % Paraffin 2 % PVAC (For gluing the insulation layers for a thickness above 40 mm)
Technical Data		
Thermal conductivity	0.045 \\ \ \ \	0.0.10.111/ 16
Design value	0.045 W/mK	0.040 W/mK
Vapour diffusion resistance µ	5	5
Condensation retention capacity Specific enthalpy capacity c	ca. 20 % of own weight 2100 J/kg/K	ca. 20 % of own weight 2100 J/kg/K
Longtitudinal flow-resistance	2100 J/kg/k	2100 J/ kg/ k
as a complete system	> 5 kNs/m4	
Apparent Density	ca. 190 – 220 kg/m ³	140 kg/m ³
Fire behaviour classification	DIN 4102-1 B2	DIN 4102-1 B2
Euro class	DIN EN 13501-1 E	DIN EN 13501-1 E

	IFFUTHERM NF Wood-fibre, sandwich-l le for rendering	ayer insulation board. Tongue and groove	
190060	60 mm, 130 x 78 cm	30 Pcs/ 30.8 m ²	m²
190080	80 mm, 130 x 78 cm	22 Pcs/ 22.6 m ²	m²
190010	100 mm, 130 x 78 cm	18 Pcs/ 18.5 m ²	m²
190062	60 mm, 250 x 125 cm	16 Pcs/ 50 m ²	m²

UdiUNGER-DII rendering	FFUTHERM L for reveal and soffit areas. Suitable for		
190020	20 mm, 120 x 60 cm Flat edged	8 Pcs/ 5.8 m ²	m²
190040	40 mm, 120 x 60 cm Flat edged	4 Pcs/ 2.9 m ²	m²
	FFUTHERM SK for insulation thicknesses of 120 mm		

and above. No	ot Suitable for rendering		
192020	20 mm, 102 x 60 cm Flat edged	204 Pcs/ 124.8 m ²	m²
192040	40 mm, 102 x 60 cm Flat edged	100 Pcs/ 61.2 m ²	m²
192060	60 mm, 102 x 60 cm Flat edged	68 Pcs/ 41.6 m ²	m²
192080	80 mm, 102 x 60 cm Flat edged	48 Pcs/ 29.4 m ²	m²
192100	100 mm, 102 x 60 cm Flat edged	40 Pcs/ 24.5 m ²	m²

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09114 Chemnitz (Germany) Tel: +49 (0) 371 - 81 56 40 Fax: +49 (0) 371 - 81 56 4 64 e-mail: <u>info@unger-diffutherm.de</u> Both we and our specialist merchants are always happy to provide you with a personal service to answer any questions you may have. Don't hesitate to contact us.

 The Original. Tried and tested since 1989.
 www.unger-di

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