



**The Original**

**UdiUNGER-DIFFUTHERM® WOOD-FIBRE INSULATION BOARDS**



**UdiUNGER-DIFFUTHERM® NF**

The patented, wood-fibre sandwich-layer insulation board. The basic element for all UdiInsulation 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.

**UdiUNGER-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 environmentally-friendly, innovative insulation solutions combining improved living-quality with protection for Mother Earth. The wood-fibre boards, produced using a wet-manufacturing process, are now available within our **UdiFRONT®SYSTEM** and **UdiIN®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:

	<b>UdiUNGER-DIFFUTHERM® NF</b> Tongue and groove edges	<b>Udi UNGER-DIFFUTHERM® L/SK</b> Flat edged
<b>Applications</b>	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
<b>Test standards</b> DiBt-approval	Z-23.15-1429	Z-23.15-1429
<b>System Approvals</b> Timber construction Mineral based foundation/substrate Fire behaviour classification	Z-33.47-663 Z-33.43-204 F 90 AB	
<b>Contents</b>	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)
<b>Technical Data</b> Thermal conductivity Design value Vapour diffusion resistance $\mu$ Condensation retention capacity Specific enthalpy capacity c Longitudinal flow-resistance as a complete system Apparent Density Fire behaviour classification Euro class	0.045 W/mK 5 ca. 20 % of own weight 2100 J/kg/K > 5 kNs/m4 ca. 190 – 220 kg/m <sup>3</sup> DIN 4102-1 B2 DIN EN 13501-1 E	0.040 W/mK 5 ca. 20 % of own weight 2100 J/kg/K 140 kg/m <sup>3</sup> DIN 4102-1 B2 DIN EN 13501-1 E

<b>UdiUNGER-DIFFUTHERM NF Wood-fibre, sandwich-layer insulation board. Tongue and groove edges. Suitable for rendering</b>			
190060	60 mm, 130 x 78 cm	30 Pcs/ 30.8 m <sup>2</sup>	m <sup>2</sup>
190080	80 mm, 130 x 78 cm	22 Pcs/ 22.6 m <sup>2</sup>	m <sup>2</sup>
190010	100 mm, 130 x 78 cm	18 Pcs/ 18.5 m <sup>2</sup>	m <sup>2</sup>
190062	60 mm, 250 x 125 cm	16 Pcs/ 50 m <sup>2</sup>	m <sup>2</sup>

<b>UdiUNGER-DIFFUTHERM L for reveal and soffit areas. Suitable for rendering</b>			
190020	20 mm, 120 x 60 cm Flat edged	8 Pcs/ 5.8 m <sup>2</sup>	m <sup>2</sup>
190040	40 mm, 120 x 60 cm Flat edged	4 Pcs/ 2.9 m <sup>2</sup>	m <sup>2</sup>

<b>UdiUNGER-DIFFUTHERM SK for insulation thicknesses of 120 mm and above. Not Suitable for rendering</b>			
192020	20 mm, 102 x 60 cm Flat edged	204 Pcs/ 124.8 m <sup>2</sup>	m <sup>2</sup>
192040	40 mm, 102 x 60 cm Flat edged	100 Pcs/ 61.2 m <sup>2</sup>	m <sup>2</sup>
192060	60 mm, 102 x 60 cm Flat edged	68 Pcs/ 41.6 m <sup>2</sup>	m <sup>2</sup>
192080	80 mm, 102 x 60 cm Flat edged	48 Pcs/ 29.4 m <sup>2</sup>	m <sup>2</sup>
192100	100 mm, 102 x 60 cm Flat edged	40 Pcs/ 24.5 m <sup>2</sup>	m <sup>2</sup>

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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.