

## PRODUCT

Natural wood fiber insulation element that can be plastered with a flexible wood fiber leveling layer.

## APPLICATIONS

UdiRECO® wood fiber insulation boards are used on the facade as a thermal insulation composite system (UdiRECO®).

## COMPONENTS

Softwood fibers, 0.5% paraffin, max. 1.5% PVAc white glue (for connecting the sandwich layers). The upper cover layer is pressed from fresh coniferous wood in the body's own lignin (natural resin) using a wet process. The lower leveling level is produced in the dry process with the addition of 93% softwood fibers, approx. 7% polyolefin as binding fiber, proportions of ammonium polyphosphate as fire protection agent and approx. 3% paraffin.

## CHARACTERISTICS

The fusion of a 1.57 inch plaster base insulation board with a flexible wood fiber insulation board facing the wall forms the basic structure. An adjustment in the range of approx. Plus-minus .78 inch is possible using a specially developed fastening system. The systems can be attached to all stable mineral substrates and to solid wood. The intelligent layer structure ensures vapor-permeable, sound-insulating and climate-regulating wall constructions.

## TECHNICAL SPECIFICATIONS

Labeling plaster base WF-EN 13171 - T5 - DS (70.90) 3 - CS (10 / Y) 150 - TR20 - WS1.0 - MU5 Labeling compensation WF-EN 13171 - T3 - TR1 - AF5

Characteristic value	Declared value	Leveling layer
Nominal value of thermal conductivity D	0,048 W/mK	0,038 W/mK
Rated value of thermal conductivity	0,050 W/mK	0,039 W/mK
Fire behavior according to DIN EN 13501-1	E	E
Gross density	Ca. 270 kg/m <sup>3</sup>	Ca. 50-55 kg/m <sup>3</sup>
Tensile strength perpendicular to the plane of the plate	≥ 20 kPa	/
Compressive strenght	≥ 180 kPa	/
Limiting dimensions squareness according to EN 824	3mm/m	/
Water vapor diffusion resistance coefficient μ	5	½
Specific heat store capacity c	2100 J/kg K	2100 J/kg K
Waste code	EAK code 030105/170201	EAK code 030105/170201

## Application after – WI//WAP

DIN 4108-10:2015

Quality assurance – Produced and monitored in accordance with DIN EN 13171

## STORAGE

- Cool and not exposed to sunlight
- Dry
- Lying down

Items No.	Thickness	Dimensions		Pcs/Pallet	Ft <sup>2</sup> /Pallet	R-Value
		Tongue	Groove			
195080	80mm (3 5/32 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	18 pcs/pallet	199 sq ft	R-12
195100	100mm (3 15/16 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	15 pcs/pallet	166 sq ft	R-15
195120	120mm (4 23/32 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	13 pcs/pallet	144 sq ft	R-17
195140	140mm (5 33/64 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	11 pcs/pallet	122 sq ft	R-20
195160	160mm (6 19/64 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	10 pcs/pallet	111 sq ft	R-23
195180	180mm (7 3/32 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	9 pcs/pallet	99 sq ft	R-26
195200	200mm (7 7/8 in)	51 3/16 x 31 7/64	50 25/32 x 30 45/64	8 pcs/pallet	88 sq ft	R-29

## Processing

The plaster base plate is cut to the specific size using electrical woodworking machines, including a suction device, e.g. a hand-held circular saw. The flexible leveling layer is cut to size using an alligator, for example. The insulation elements are generally installed seamlessly and precisely in a bond and in a tongue and groove bond. After one wall has been installed, it must be completely aligned before an adjacent wall surface can be installed. Tolerances of the panel surface are to be sanded down using an electric grinder or a grid. Horizontal covers and window sills must protrude at least 1 1/5 inches (plus 2/5 inches plaster thickness). Basically, all connections must be dimensioned and properly sealed so that driving rain and other moisture cannot penetrate into or behind the insulation elements. External component connections (e.g. beams, windows, doors, penetrations and base rails) are made watertight and windproof with Udi FUGENBAND® (front edge insulation board). Building expansion joints must be adopted and integrated into our insulation systems.

Do not exceed an outdoor exposure time of 60 days. Cut surfaces and upper edges of the panels (depending on the construction progress, the upper edge of the upper row) must be protected daily and permanently against the ingress of moisture.

## Note

The information in this technical information sheet corresponds to our current level of knowledge and experience. Because of the abundance of possible influences in the processing and application of our products, they do not release the processor from carrying out their own tests and trials. A legally binding assurance of certain properties or the suitability for a specific purpose cannot be derived from our information. The general rules of construction engineering must be observed. We reserve the right to make changes that serve technical progress and the improvement of the product or its application. When this Technical Information is published, earlier editions are invalid. Please refer to our website for the latest information.