

PRODUCT

Versatile wood fiber insulation element with smooth all-round edge for roof and floor areas

APPLICATIONS

UdiTHERM® SK wood fiber insulation boards are used in facade (without plaster coating) roof and floor area.

COMPONENTS

Softwood fibers, approx. 2.5% PVAc white glue (for connecting the board layers from 1 3/5 inches).

CHARACTERISTICS

- open to diffusion
- pressure resistant
- improved summer heat protection
- ecologically harmless, environmentally friendly and recyclable

TECHNICAL SPECIFICATIONS

Characteristic value	Declared value
Nominal value of thermal conductivity λ_D	0,038 W/MK
Design value of the thermal conductivity λ	0,040 W/MK
Fire behavior according to DIN EN 13501-1	E
Gross Density	ca. 160 kg/m ³
Compressive Strength	≥ 50 kPa
Tensile strength perpendicular to the plane of the plate	$\geq 2,5$ kPa
Compressive stress at 10% compression σ_{10}	0,05 N/MM ²
Water vapor diffusion resistance coefficient μ	5
Specific heat storage capacity C	2100 J/KG K
Short-term water absorption	$\geq 2,0$ kg/m ²
Length-related flow resistance	≥ 100 (KPA+S)/M ²
Waste Key	EAK-CODE 030105 / 170201

PRODUCT

DAD – dk, dg, dm // DZ // DI – zk, zg // DEO – dg, dm // WH // WI – zk, zg // WTR
 DIN 4108-10:2015

Quality control

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 ² /Pallet	R-Value
192020	20mm (0 25/32 in)	53 5/32 x 23 5/8	116	1011,37	R-5
192030	30mm (1 3/16 in)	53 5/32 x 23 5/8	74	645,18	R-5,3
192040	40mm (1 37/64 in)	53 5/32 x 23 5/8	56	488,25	R-5.8
192060	60mm (2 23/64 in)	53 5/32 x 23 5/8	38	331,31	R-9
192080	80mm (3 5/32 in)	53 5/32 x 23 5/8	28	244,12	R-11,7
192100	100mm (3 15/16 in)	53 5/32 x 23 5/8	22	191,81	R-15
191120	120mm (4 23/32 in)	53 5/32 x 23 5/8	18	156,93	R-18

Processing

The insulation elements may only be installed on clean, aligned and resilient substrates. Wooden floors re-screw and repair damaged areas. UdiTHERM SK is primarily laid flat in roof, wall and floor areas. In order to optimize the waste, the next row is started with the cut last panel of the previous row. Edge distance to the wall at least 2/5 inches. When installing installation panels or dry screed elements, the UdiTHERM SK edge distance of $\geq 2/5$ inches must be observed and laid floating, unless otherwise specified. Use appropriately matched power tools with hard metal fittings and dust extraction to create cuts.