

ENVERTEK ROOF SLOPE

TECHNICAL DATA SHEET | NOVEMBER 2024

PRODUCT DESCRIPTION

ENVERTEK ROOF SLOPE are non-combustible, mono density, hydrophobic thermo insulation boards with a disturbed fiber arrangement, made of stone wool, with a 2 % standard gradient.

APPLICATION

Thermal and non-combustible insulation in industrial and civil construction. Intended for use in construction facilities to create a positive drainage of water from rooftop areas and to avoid ponding. Part of a flat roof thermal insulation system.

FEATURES AND ADVANTAGES

- Non-combustible (A1)
- High compressive strength
- Dimensionally stable
- Vapor permeable
- Mono density
- Recyclable
- Thermal and sound insulation
- RAL and EUCEB certified
- CE marked (EN 13162)
- Thickness range 30 – 110 mm



DECLARED PARAMETERS

Parameter	Symbol	Unit	Performances
Declared thermal conductivity	λ_D	W/mK	0.039
Thickness tolerance class	T	-	T4
Dimensional stability under certain temperature and humidity conditions	DS(70,90)	%	≤ 1
Compressive stress at 10% deformation	CS(10)	kPa	70
Tensile strength perpendicular to the faces	TR	kPa	10
Point load at 5 mm deformation	PL(5)	N	800
Short-term water absorption	WS	kg/m ²	≤ 1
Water vapor diffusion resistance coefficient	MU	-	MU1
Reaction to fire	RtF	-	A1

Product code: MW-EN 13162-T4-DS(70,90)-CS(10)70-TR10-PL(5)800-WS-MU1



Effective thermal
insulation



Non-combustible



Noise reduction



Moisture resistant



Resistant to decay

ENVERTEK ROOF SLOPE

NOVEMBER 2024

DECLARED THERMAL RESISTANCE

Thickness (mm)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
R _D (m²K/W)	-	-	0.75	1.00	1.25	1.5	1.75	2.05	2.30	-	-	-	-	-	-
Thickness (mm)	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R _D (m²K/W)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOGISTICS INFORMATION

Full truck loading: 26 standard pallets

STORAGE

The product may only be stored outdoors in an intact, originally packed pallet. Protected against the harmful effects of weather conditions and set on a dry and stable surface. Maximum stacking height 3 pallets.

STANDARD DIMENSIONS AND PACKAGING

Thickness min	Thickness max	Length	Width	Pallet format	Pallet	Pallet	Slabs on a pallet	Density	Weight (per board)	Weight (per 2 boards)	Weight (per 4 boards)	Weight (per 6 boards)	Weight (per 8 boards)	Weight (per 10 boards)	Weight (per 12 boards)	Weight (per 14 boards)	Weight (per 16 boards)	Pallet height	Pallet height (on MW)	Pallet height (on wood)
(mm)	(mm)	(mm)	(mm)	(mm)	(m³)	(m²)	(-)	(kg/m³)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(mm)	(mm)	(mm)
30	50	1000	1200	1000 x 1200	1.15	38.40	32	165	7.92	15.84	31.68	47.52	63.36	79.20	95.04	110.88	126.72	1280	1340	1410
50	70	1000	1200	1000 x 1200	1.20	24.00	20	165	11.88	23.76	47.52	71.28	95.04	118.80	142.56	166.32	190.08	1200	1300	1330
70	90	1000	1200	1000 x 1200	1.34	19.20	16	165	15.84	31.68	63.36	95.04	126.72	158.40	190.08	221.76	253.44	1280	1420	1410
90	110	1000	1200	1000 x 1200	1.30	14.40	12	165	19.80	39.60	79.20	118.80	158.40	198.00	237.60	277.20	316.80	1200	1380	1330

CERTIFICATION MARKS



HEALTH AND SAFETY

Kingspan rock mineral fibre insulation materials are declared as articles under the REACH Regulation (EC) No. 1907/2006. All components are not subject to classification and labelling requirements under the CLP Regulation (EC) No. 1272/2008.

For health and safety information please refer to Kingspan Mineral Insulation Safe Use Instruction Sheet.