

ENVERTEK CONVERTO 70/800

TECHNICAL DATA SHEET | NOVEMBER 2024

PRODUCT DESCRIPTION

ENVERTEK CONVERTO 70/800 are non-combustible, mono density, hydrophobic thermo insulation boards with a disturbed fiber arrangement, made of stone wool.

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, ready to cut slopes and counterslopes.

FEATURES AND ADVANTAGES

- Non-combustible (A1)
- High compressive strength
- Dimensionally stable
- Vapor permeable
- Mono density
- Recyclable
- Thermal and sound insulation
- RAL and EUCB certified
- CE marked (EN 13162)
- Thickness range 50 – 200 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

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DECLARED THERMAL RESISTANCE

Thickness (mm)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
R _D (m²K/W)	-	-	-	-	1.25	1.5	1.75	2.05	2.3	2.55	2.8	3.05	3.3	3.55	3.85
Thickness (mm)	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R _D (m²K/W)	4.1	4.35	4.36	4.85	5.1	-	-	-	-	-	-	-	-	-	-

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	Length	Width	Pallet format	Pallet	Pallet	Slabs on a pallet	Density	Weight (per board)	Weight (per 2 boards)	Weight (per 3 boards)	Weight (per 4 boards)	Weight (per 5 boards)	Weight (per 6 boards)	Pallet height	Pallet height (on MW)	Pallet height (on wood)
(mm)	(mm)	(mm)	(mm)	(m²)	(m²)	(-)	(kg/m³)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(mm)	(mm)	(mm)
50	2000	1200	2000 x 1200	2.88	57.60	24	165	19.80	39.60	59.40	79.20	99.00	118.80	1200	1300	1330
60	2000	1200	2000 x 1200	2.88	48.00	20	165	23.76	47.52	71.28	95.04	118.80	142.56	1200	1320	1330
70	2000	1200	2000 x 1200	3.02	43.20	18	165	27.72	55.44	83.16	106.92	130.68	154.44	1260	1400	1390
80	2000	1200	2000 x 1200	3.07	38.40	16	165	31.68	63.36	95.04	126.72	154.44	182.16	1280	1440	1410
90	2000	1200	2000 x 1200	3.02	33.60	14	165	35.64	71.28	106.92	142.56	178.20	213.84	1260	1440	1390
100	2000	1200	2000 x 1200	2.88	28.80	12	165	39.60	79.20	118.80	158.40	198.00	237.60	1200	1300	1330
110	2000	1200	2000 x 1200	3.17	28.80	12	165	43.56	87.12	130.68	170.88	210.96	251.04	1320	1430	1450
120	2000	1200	2000 x 1200	2.88	24.00	10	165	47.52	95.04	142.56	189.36	236.70	284.04	1200	1320	1330
130	2000	1200	2000 x 1200	3.12	24.00	10	165	51.48	102.96	154.44	205.92	257.40	308.88	1300	1430	1430
140	2000	1200	2000 x 1200	2.69	19.20	8	165	55.44	110.88	166.32	221.76	272.64	323.52	1120	1260	1250
150	2000	1200	2000 x 1200	2.88	19.20	8	165	59.40	118.80	178.20	237.60	297.00	356.40	1200	1350	1330
160	2000	1200	2000 x 1200	3.07	19.20	8	165	63.36	126.72	190.08	253.44	316.80	380.16	1280	1440	1410
170	2000	1200	2000 x 1200	2.86	16.80	7	165	67.32	134.64	201.96	269.28	332.08	395.04	1190	1360	1320
180	2000	1200	2000 x 1200	2.59	14.40	6	165	71.28	142.56	213.84	285.12	356.40	427.68	1080	1260	1210
190	2000	1200	2000 x 1200	2.74	14.40	6	165	75.24	150.48	225.72	300.96	376.20	451.44	1140	1330	1270
200	2000	1200	2000 x 1200	2.88	14.40	6	165	79.20	158.40	237.60	316.80	396.00	475.20	1200	1400	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.