

ENVERTEK ROOF 70/038 DUAL

TECHNICAL DATA SHEET | NOVEMBER 2024

PRODUCT DESCRIPTION

ENVERTEK ROOF 70/038 DUAL are non-combustible, dual density, hydrophobic thermos 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 as a base layer of a non-ventilated flat roofs systems on all standard substrates.

FEATURES AND ADVANTAGES

- Non-combustible (A1)
- High compressive strength
- Dimensionally stable
- Vapor permeable
- Dual density
- Recyclable
- Thermal and sound insulation
- RAL and EUCB certified
- CE marked (EN 13162)
- Thickness range 60 – 160 mm



DECLARED PERFORMANCES

Requirement clauses	Symbol	Unit	Performances	Standard
Area of application	-	-	DAA	DIN 4108-10
Thermal conductivity	λ_D	W/(mK)	0,037	EN 13162
Thickness	T	Class	T4	EN 823
Dimensional stability under specified temperature and humidity condition	DS(70,90)	%	≤ 1	EN 1604
Reaction to fire Euroclass characteristics	RtF	Euroclass	A1	EN 13501-1
Short time water absorption	WS	kg/m ²	WS	EN 1609
Water vapour transition	MU	-	MU1	EN 12086
Compressive stress or compressive strength	CS(10)	kPa	70	EN 826
Point load	PL(5)	N	800	EN 12430
Tensile strength perpendicular to faces	TR	kPa	10	EN 1607

Product code: MW-EN13162-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)	-	-	-	-	-	1,60	1,85	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05
Thickness (mm)	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R _D (m²K/W)	4,30	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TRANSPORT AND STORAGE

Short-term outdoor storage on-site: keep the insulation slabs in their original packaging. Please note: the packaging material in which the insulation is supplied has a limited rain and/or weatherproofing.

Long-term storage: For longer periods, it is strongly recommended to store the rock mineral fiber insulation slabs indoors in a dry location.

Product must be protected against the harmful effects of weather conditions like direct sunlight, rain, snow and set on a dry and stable surface. Maximum stacking height 3 pallets.

PACKAGING

Thickness (mm)	Length (mm)	Width (mm)	Pallette format (mm)	Pallet (m³)	Pallet (m²)	Slabs on a pallet (pieces)	Pallet height (on kickers) (mm)	Pallet height (on wood) (mm)
60	2000	1200	2000 x 1200	3,02	50,40	21	1380	1390
70	2000	1200	2000 x 1200	3,02	43,20	18	1400	1390
80	2000	1200	2000 x 1200	2,88	36,00	15	1360	1330
90	2000	1200	2000 x 1200	3,02	33,60	14	1440	1390
100	2000	1200	2000 x 1200	2,88	28,80	12	1300	1330
110	2000	1200	2000 x 1200	3,17	28,80	12	1430	1450
120	2000	1200	2000 x 1200	2,88	24,00	10	1320	1330
130	2000	1200	2000 x 1200	2,81	21,60	10	1430	1430
140	2000	1200	2000 x 1200	2,69	19,20	8	1260	1250
150	2000	1200	2000 x 1200	2,88	19,20	8	1350	1330
160	2000	1200	2000 x 1200	3,07	19,20	8	1440	1410

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.