Product Information

PXA Nederland B.V. is sole supplier of Isobooster.
Isobooster is a registered trademark of Isobooster B.V.

Product description
Thermal multilayered insulation. Patented construction of infrared permeable and thermally stabilised PE and reflective foil based on PET and a reflective metal alloy.

Description
- Average lambda value: 0,02
- Emissivity aluminium 0,03
- Reflection aluminised sides/Tobias densitometer 3,5
- Quality assurance ISO 9001 (registered)

IR-Transmission
The bubble foil is permeable by infrared and ensures the optimum functioning of the reflective foil.

Guarantee
Isobooster is supplied with a guarantee on the material of 10 years. Aging tests by the Dutch Institute of Applied Science (TNO) indicates a material life expectancy of at least 70 years at an average ambient temperature of 20 °C.

Fire class
EN 13501-1: Euro class B –s1 -d0 in combination with 9,5 mm plaster board.

Acoustics
The average, indicative, acoustic insulation value is ±20,4 dB (A).

Quality declaration according to EU Regulation 244/2012
- Isobooster: 20210443GK
- Isobooster metalstud voorzetwand: 20210631GK

General information
Ventilation is important for the effect of reflection, as well as the prevention of condensation in the construction in which Isobooster is used.

Please use UV Sunglasses if working with Isobooster in full sun.

If Isobooster is used in combination with other insulation materials please also adhere to the safety regulations of those materials.

Recycling

04 PE-LD 90 C/LDPE — Isobooster

04 PE-LD 20 PAP — Packaging

Dutch patented invention with EU test certificates.
Produced within the European Union.

Technical specifications

Product information

Type	Weight	Thickness	Length	Width*	Surface
Professional 20	300 g/m²	20 mm	12.500 mm	1.200 mm	15 m²
Professional 30	400 g/m²	30 mm	12.500 mm	1.200 mm	15 m²
Professional 40	500 g/m²	40 mm	12.500 mm	1.200 mm	15 m²
Professional 50	600 g/m²	50 mm	12.500 mm	1.200 mm	15 m²
Professional 60	700 g/m²	60 mm	8.400 mm	1.200 mm	10,08 m²
Professional 70	800 g/m²	70 mm	8.400 mm	1.200 mm	10,08 m²
Professional 80	900 g/m²	80 mm	8.400 mm	1.200 mm	10,08 m²
Professional 90	1.000 g/m²	90 mm	7.500 mm	1.200 mm	9 m²
Professional 100	1.100 g/m²	100 mm	7.000 mm	1.200 mm	8,4 m²
Professional 110	1.200 g/m²	110 mm	5.000 mm	1.200 mm	6 m²
Professional 120	1.300 g/m²	120 mm	5.000 mm	1.200 mm	6 m²
Professional 130	1.400 g/m²	130 mm	4.500 mm	1.200 mm	5,4 m²
Professional 140	1.500 g/m²	140 mm	4.500 mm	1.200 mm	5,4 m²
Professional 150	1.600 g/m²	150 mm	4.500 mm	1.200 mm	5,4 m²
Professional 160	1.700 g/m²	160 mm	4.500 mm	1.200 mm	5,4 m²

*Also available at width 600 mm.

R_c-value per application according to EU Regulation 244/2012 (m2 K/W)

Type Isobooster Professional	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
Sloping roof*	1,47	1,83	2,2	2,57	2,94	3,31	3,68	4,04	4,41	4,78	5,15	5,52	5,89	6,25	6,62
Flat roof*	1,52	2	2,48	2,96	3,43	3,91	4,39	4,87	5,34	5,82	6,3	6,77	7,25	7,73	8,21
Retaining wall, wood*	1,98	2,33	2,68	3,03	3,39	3,74	4,09	4,44	4,8	5,15	5,5	5,86	6,21	6,56	6,91
Retaining wall, wood, 1 air cavity	1,52	1,87	2,22	2,57	2,92	3,28	3,63	3,98	4,34	4,69	5,04	5,4	5,75	6,1	6,45
Stone/concrete floor*	1,88	2,37	2,85	3,34	3,83	4,31	4,8	5,29	5,77	6,26	6,75	7,23	7,72	8,21	8,69
Wooden floor, between floor beams*	1,82	2,19	2,56	2,92	3,29	3,66	4,03	4,4	4,77	5,13	5,5	5,87	6,24	6,61	6,98
Wooden floor, underneath floor beams*	2,06	2,54	3,03	3,52	4	4,49	4,98	5,46	5,95	6,44	6,93	7,41	7,9	8,39	8,87
Ground insulation crawl space	0,82	1,24	1,65	2,07	2,48	2,89	3,31	3,72	4,14	4,55	4,96	5,38	5,79	6,21	6,62

Average λ-value: 0,02. Above mentioned RC-values have been calculated according to EU regulation 244/2012

*On the basis of construction with two air cavities of 20 mm.