



TECHNICAL PRODUCT SHEET

PIF INSULATION FOIL

PIF Insulation is composed of multiple layers of heat-reflective aluminum spaced by robust air cushions.

AREA OF APPLICATION

- floors
- partition walls
- pre-walls
- pitched roofs and knee walls
- parapets

PRODUCT ADVANTAGES

- hypo-allergenic
- no protective equipment required
- no (fine) dust is released during processing
- very flexible
- easy to cut to size
- low thickness

OTHER PROPERTIES

- rot-free
- durable
- completely recyclable
- no breeding ground for vermin
- non-corrosive

MOISTURE BEHAVIOUR

- non-capillary
- water-repellent
- non-hygroscopic
- vapour-proof

PRODUCT PROPERTIES

Tolerance (length and width)	3%
Thermal resistance (λd in W/mK)	0,022
Heat capacity (Q in J/kgK)	710
Density (ρ in kg/m ³)	8,80
Emissivity (ϵ)	0,10
Vapour diffusion resistance (μ)	100.000

The table below shows the Rc and Rd values (in m²K/W), according to NTA-8800 registration number 20210627GK for the application of various PIF Insulation products in different constructions. Certificates are available for your perusal on www.bcrq.nl

OVERVIEW Rc - AND Rd VALUES

	Outer walls		Floors		Sloping roofs	
	Rc	Rd	Rc	Rd	Rc	Rd
PIF ISO40	2,21	1,85	2,97	2,82	2,03	1,81
PIF ISO60	2,90	2,54	3,88	3,73	2,72	2,50
PIF ISO80	3,59	3,23	4,79	4,64	3,41	3,19
PIF ISO100	4,28	3,92	5,70	5,55	4,10	3,88
PIF ISO120	4,97	4,61	6,61	6,46	4,79	4,57
PIF ISO140	5,66	5,30	7,52	7,37	5,48	5,26
PIF ISO160	6,35	5,99	8,43	8,28	6,16	5,94
PIF ISO180	7,03	6,67	9,33	9,18	6,85	6,63
PIF ISO200	7,72	7,36	10,24	10,09	7,54	7,32
PIF ISO220	8,41	8,05	11,15	11,00	8,23	8,01
PIF ISO240	9,10	8,74	12,06	11,91	8,92	8,70

ASSORTMENT

	Length (mm)	Width (mm)	Size in m ²	Number of layers	Weight (kg)	Delivery shape
PIF ISO40	8.400	1.200	10	4	3,55	roll
PIF ISO60	8.400	1.200	10	6	5,32	roll
PIF ISO80	8.400	1.200	10	8	7,10	roll
PIF ISO100	5.000	1.200	6	10	5,28	roll
PIF ISO120	5.000	1.200	6	12	6,34	roll
PIF ISO140	5.000	1.200	6	14	7,39	roll
PIF ISO160	5.000	1.200	6	16	8,45	roll
PIF ISO180	5.000	1.200	6	18	9,50	roll
PIF ISO200	5.000	1.200	6	20	10,56	roll
PIF ISO220	5.000	1.200	6	22	11,62	roll
PIF ISO240	5.000	1.200	6	24	12,67	roll

All rolls are also available in 600 mm width on request