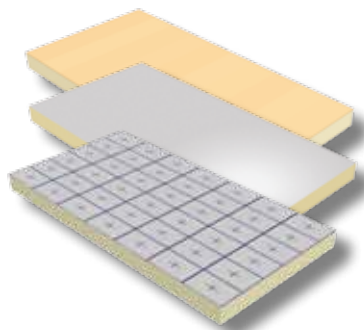




PIR INSULATION

POLYSOCYANURATE RIGID FOAM



RIGID FOAM

Thermal insulation boards



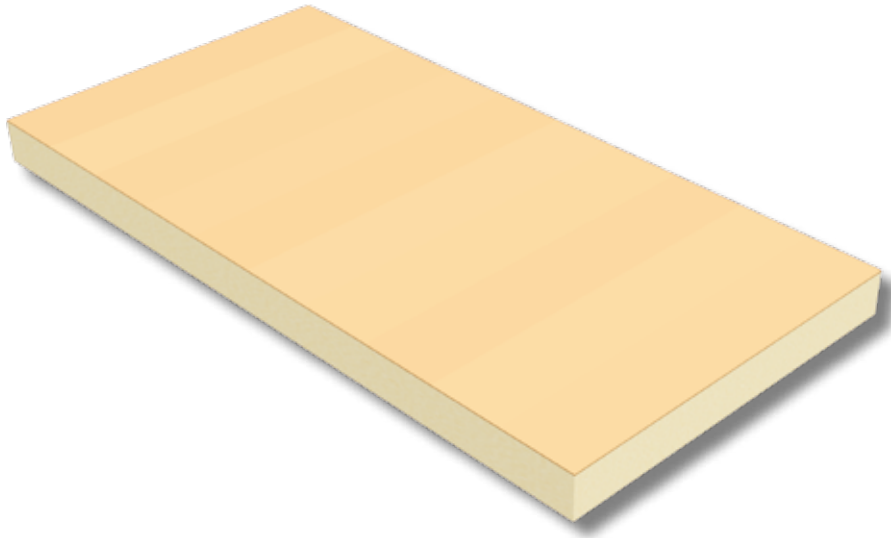
ISOPLAN

Insulation and waterproofing system



MISTRAL

Insulating system for ventilated pitched roofs



ISOLPARMA RF3 is a high performance insulation board with a rigid thermoset polyisocyanurate (PIR) foam core, with a CFC and HCFC free blowing agent, lined on both sides with Duotwin® facing.

Main applications

Thermal insulation for walls, floors and pitched roofs.

Specification wording

The thermal insulation shall consist of a layer of ISOLPARMA RF3 Rigid PIR (Polyiso) foam boards, lined on both sides with Duotwin foil.
Thermal conductivity λ_D of 0.023 W/mK according to EN 13165
Board size mm ... x ... , Thickness mm....

Sizes and packaging

The boards are supplied in a standard size of 1,2 x 1,2 m. shrink wrapped in packages with PE foil.

Thickness mm	Board size m
30	1,2 x 1,2
40	1,2 x 1,2
50	1,2 x 1,2
60	1,2 x 1,2
70	1,2 x 1,2
80	1,2 x 1,2
82	1,2 x 1,2
90	1,2 x 1,2
100	1,2 x 1,2
110	1,2 x 1,2
120	1,2 x 1,2

RF3

Main applications



Cavities



Floors



Micro-ventilated pitched roofs



Pitched roofs



Prefabricated R.C. roof elements

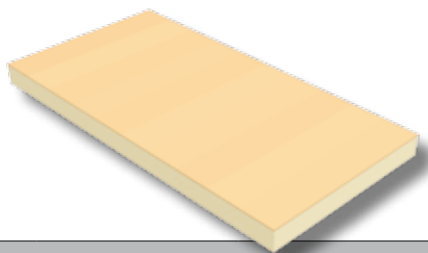


Shed roofs

CE marking



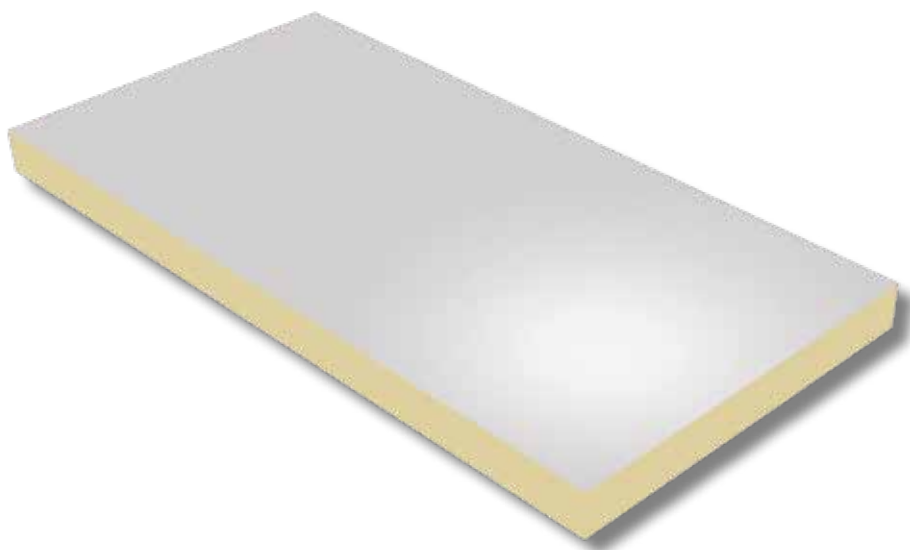
Polyisocyanurate Foam Insulation (PIR)


RF3

TECHNICAL DATA SHEET RF3				EN 13165		
Properties	Code	Norm	Description	Value	Unit	
Board Density	ρ		Average value with facing characteristics	36	kg/m ³	
Average Initial Thermal Conductivity	$\lambda_{90/90,1}$	EN 12667	Value at 10 °C	0,022	W/mK	
Declared Thermal Conductivity	λ_D	EN 13165 Annexes A and C	Value at 10 °C	0,023	W/mK	
Nominal Thickness	d_N	EN 823		from 30 to 120	mm	
Declared Thermal Resistance	R_D	EN 12667	$R_D = d/\lambda_D$	mm 30	1,30	(m ² K)/W
				mm 40	1,74	
				mm 50	2,17	
				mm 60	2,61	
				mm 70	3,04	
				mm 80	3,48	
				mm 82	3,57	
				mm 90	3,91	
				mm 100	4,35	
				mm 110	4,78	
Compressive Strength	CS(10/Y)	EN 826	at 10% deformation	mm 30	150	kPa
				mm 40	140	
				mm 50 to 70	150	
				mma 80 to 120	130	
Dimensional Stability	DS(TH)	EN 1604	test conditions: 48h, 70 °C, 90% RH		%	
			variation on dimensions	1		
			variation on thickness	4		
			test conditions: 48h, -20°C			
			variation on dimensions	0,5		
variation on thickness	1					
Reaction To Fire	Euroclass	EN 13501-1		F		
Specific Heat Capacity				1453	J/kg°C	
Water Absorption	WL(T)	EN 12087	Total immersion for 28 days	< 1	%	
Water Vapour Diffusion Resistance	Z	EN 12086		21 ± 3	m ² /hPa	
Water Vapour Diffusion Resistance Factor	MU	EN 12086		148 ± 24	μ	
Tolerances provided for by European Norm EN 13165						
Thickness	T2	EN 13165	Thickness < 50 mm	± 2	mm	
			Thickness > 50 and < 75 mm	± 3		
			Thickness > 75 mm	+ 5, -2		
Dimensions			Dimensions < 1000	± 5	mm	
			Dimensions from 1000 to 2000	± 7,5		
			Dimensions from 2000 to 4000	± 10		
			Dimensions > 4000	± 15		

NOTES:

Temperature Stability: Isolparma RF Rigid Foam Boards can be used in a range of temperatures between -40 °C and + 110 °C. They will resist to limited exposure to peaks of up to 200 °C and withstand with no problems the temperatures of molten bitumen. Prolonged exposure to high temperatures may cause deformations to the foam or to the facing material, but will not cause sublimation or melting of the foam.



Thermal insulation board made of rigid Polyisocyanurate (Polyiso) foam lined with 60 micron embossed aluminium

Main applications

Thermal insulation of civil and industrial buildings (floors, walls and partitions, pitched and vaulted roofs, ventilated and/or micro-ventilated). The RF5 board is not suitable for applications with a propane torch.

Specification wording

The thermal insulation shall consist of a layer of ISOLPARMA RF5 Rigid PIR (Polyiso) foam boards, lined on both sides with 60 micron embossed aluminium foil.

Thermal conductivity λ_D of 0.023 W/mK according to EN 13165.

Board size mm ... x ... , Thickness mm..."

Sizes and packaging

The boards are supplied in a standard size of 1,2 x 2,5 m. shrink wrapped in packages with PE foil.

Thickness mm	Board size m
20	1,2 x 2,5
30	1,2 x 2,5
40	1,2 x 2,5
50	1,2 x 2,5
60	1,2 x 2,5
80	1,2 x 2,5
100	1,2 x 2,5

RF5

Main applications



Floors recommended for heat radiating floors



Industrial floors also heat radiating



Cavities



Micro-ventilated pitched roofs



Normal pitched roofs



Vaulted roofs



Ballasted or paved flat roofs



Car Parks and ramps



Roof gardens



Shed roofs

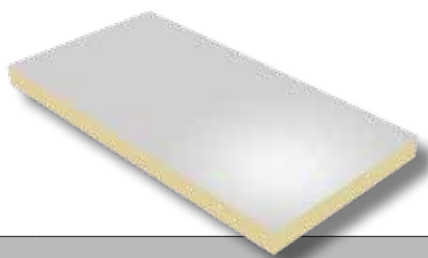


Prefabricated R.C. roof elements

CE marking



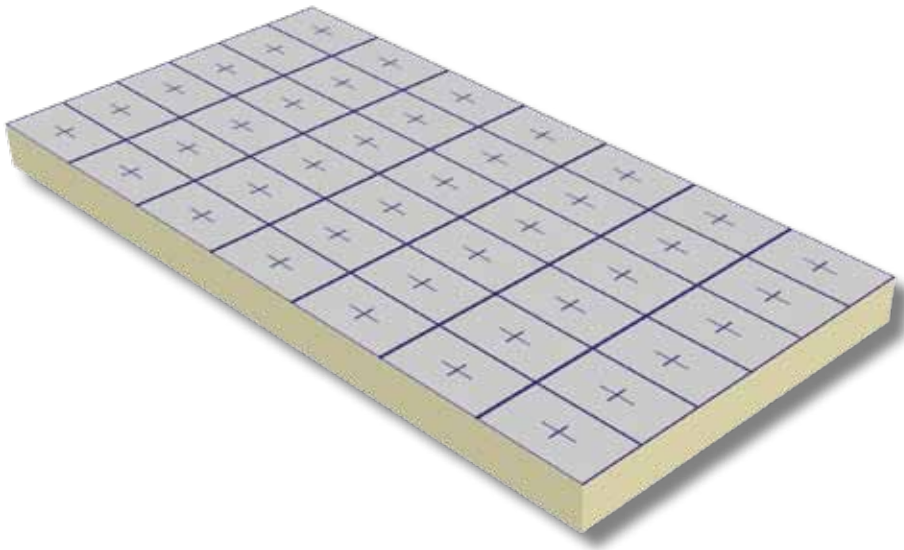
Polyisocyanurate Foam Insulation (PIR)








RF5

TECHNICAL DATA SHEET RF5				EN 13165			
Properties	Code	Norm	Description	Value	Unit		
Board Density	ρ		Average value with facing characteristics	40	kg/m ³		
Average Initial Thermal Conductivity	$\lambda_{90/90,i}$	EN 12667	Value at 10 °C	0,022	W/mK		
Declared Thermal Conductivity	λ_D	EN 13165 Annexes A and C	Value at 10 °C	0,023	W/mK		
Nominal Thickness	d_N	EN 823		from 20 to 100	mm		
Declared Thermal Resistance	R_D	EN 12667	$R_D = d/\lambda_D$	mm 20	0,87	(m ² K)/W	
				mm 30	1,30		
				mm 40	1,74		
				mm 50	2,17		
				mm 60	2,61		
				mm 80	3,48		
				mm 100	4,35		
Compressive Strength	CS(10/Y)	EN 826	at 10% deformation	mm 20, 30 and 50	160	kPa	
				mm 40	150		
				mm 60 to 100	150		
Dimensional Stability	DS(TH)	EN 1604	test conditions: 48h, 70 °C, 90% RH			%	
			variation on dimensions		1		
			variation on thickness	mm 20	5		
				mm 30 to 100	4		
			test conditions: 48h, -20°C				
			variation on dimensions		0,5		
variation on thickness		1					
Reaction To Fire	Euroclass	EN 13501-1		D			
Specific Heat Capacity				1370	J/kg°C		
Water Absorption	WL(T)	EN 12087	Total immersion for 28 days	< 1	%		
Water Vapour Diffusion Resistance Factor	MU	EN 12086		>89900	μ		
Tolerances provided for by European Norm EN 13165							
Thickness	T2	EN 13165	Thickness < 50 mm	± 2	mm		
			Thickness > 50 and < 75 mm	± 3			
			Thickness > 75 mm	+ 5, -2			
Dimensions			Dimensions < 1000	± 5	mm		
			Dimensions from 1000 to 2000	$\pm 7,5$			
			Dimensions from 2000 to 4000	± 10			
			Dimensions > 4000	± 15			

NOTES:

Temperature Stability: Isolparma RF Rigid Foam Boards can be used in a range of temperatures between -40 °C and + 110 °C. They will resist to limited exposure to peaks of up to 200 °C and withstand with no problems the temperatures of molten bitumen. Prolonged exposure to high temperatures may cause deformations to the foam or to the facing material, but will not cause sublimation or melting of the foam.



RF6	
Main applications	
	Cavities
	Floors
	Pitched roofs
	Prefabricated R.C. roof elements
	Shed roofs
CE marking	
	Polyisocyanurate Foam Insulation (PIR)

ISOLPARMA RF6 is a high performance insulation board with a rigid thermoset polyisocyanurate (PIR) foam core, with a CFC and HCFC free blowing agent, lined on both sides with a gas-tight aluminium multi-layer facing.

Main applications

Thermal insulation for walls, floors and pitched roofs.

Specification wording

The thermal insulation shall consist of a layer of ISOLPARMA RF6 Rigid PIR (Polyiso) foam boards, lined on both sides with a gas-tight aluminium multi-layer facing.

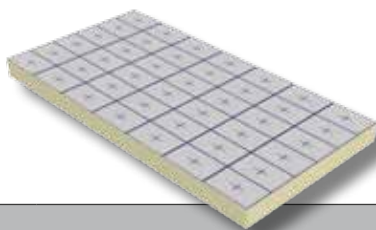
Thermal conductivity λ_D of 0.023 W/mK according to EN 13165

Board size mm ... x ... , Thickness mm....

Sizes and packaging

The boards are supplied in a standard size of 0,6 x 1,2 m. shrink wrapped in packages with PE foil.

Thickness mm	Board size mm
20	0,6 x 1,2
30	0,6 x 1,2
40	0,6 x 1,2
50	0,6 x 1,2
60	0,6 x 1,2
80	0,6 x 1,2
100	0,6 x 1,2
110	0,6 x 1,2
120	0,6 x 1,2


RF6

TECHNICAL DATA SHEET RF6				EN 13165		
Properties	Code	Norm	Description	Value	Unit	
Board Density	ρ		Average value with facing characteristics	36	kg/m ³	
Average Initial Thermal Conductivity	$\lambda_{90/90,i}$	EN 12667	Value at 10 °C	0,022	W/mK	
Declared Thermal Conductivity	λ_D	EN 13165 Annexes A and C	Value at 10 °C	0,023	W/mK	
Nominal Thickness	d_N	EN 823		from 20 to 120	mm	
Declared Thermal Resistance	R_D	EN 12667	$R_D = d/\lambda_D$	mm 20	0,87	(m ² K)W
				mm 30	1,30	
				mm 40	1,74	
				mm 50	2,17	
				mm 60	2,61	
				mm 70	3,04	
				mm 80	3,48	
				mm 82	3,57	
				mm 90	3,91	
				mm 100	4,35	
				mm 110	4,78	
mm 120	5,22					
Compressive Strength	CS(10/Y)	EN 826	at 10% deformation	mm 20 and 70	150	kPa
				mm 30 to 60	140	
				mm 80 to 120	130	
Dimensional Stability	DS(TH)	EN 1604	test conditions: 48h, 70 °C, 90% RH		%	
			variation on dimensions			1
			variation on thickness	mm 20		5
				mm 30 to 120		4
			test conditions: 48h, -20°C			
variation on dimensions		0,5				
variation on thickness		1				
Reaction To Fire	Euroclass	EN 13501-1		E		
Specific Heat Capacity				1442	J/Kg°C	
Water Absorption	WL(T)	EN 12087	Total immersion for 28 days	< 1	%	
Water Vapour Diffusion Resistance	Z	EN 12086		> 13440	m ² /hPa	
Water Vapour Diffusion Resistance Factor	MU	EN 12086		>89900	μ	
Tolerances provided for by European Norm EN 13165						
Thickness	T2	EN 13165	Thickness < 50 mm	± 2	mm	
			Thickness > 50 and < 75 mm	± 3		
			Thickness > 75 mm	+ 5, -2		
Dimensions			Dimensions < 1000	± 5	mm	
			Dimensions from 1000 to 2000	$\pm 7,5$		
			Dimensions from 2000 to 4000	± 10		
			Dimensions > 4000	± 15		

NOTES:

Temperature Stability: Isolparma RF Rigid Foam Boards can be used in a range of temperatures between -40 °C and + 110 °C. They will resist to limited exposure to peaks of up to 200 °C and withstand with no problems the temperatures of molten bitumen. Prolonged exposure to high temperatures may cause deformations to the foam or to the facing material, but will not cause sublimation or melting of the foam.



ISOLPARMA RF8 is a high performance insulation board with a rigid thermoset polyisocyanurate (PIR) foam core, with a CFC and HCFC free blowing agent, lined with sanded bitumen-saturated glass on one side, and saturated mineral fibre on the other.

Main applications

Thermal insulation of roofs under bituminous waterproofing membranes applied by propane torch.

Specification wording

The thermal insulation shall consist of a layer of ISOLPARMA RF8 Rigid PIR (Polyiso) foam boards, lined with sanded bitumen-saturated glass on one side and saturated mineral fibre on the other.

Thermal conductivity λ_D of 0.028 W/mK until thickness 70 mm, and 0.026 W/mK thickness 80 - 120 mm, according to EN 13165.

Board size mm ... x ... , Thickness mm...

Sizes and packaging

The boards are supplied in a standard size of 0,6 x 1,2 m. shrink wrapped in packages with PE foil.

Thickness mm	Board size mm
30	0,6 x 1,2
40	0,6 x 1,2
50	0,6 x 1,2
60	0,6 x 1,2
80	0,6 x 1,2
100	0,6 x 1,2
110	0,6 x 1,2
120	0,6 x 1,2

RF8

Main applications



Pitched roofs
below tiles
or slates



Ballasted or paved
flat roofs



Roof gardens



Flat roofs
with exposed
waterproofing layers



Car parks and
ramps



Shed roofs



Prefabricated R.C.
roof elements

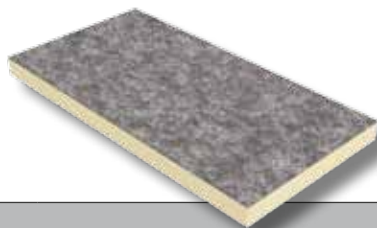


Vaulted roofs

CE marking



Polyisocyanurate
Foam Insulation
(PIR)


RF8

TECHNICAL DATA SHEET RF8				EN 13165			
Properties	Code	Norm	Description	Value	Unit		
Board Density	ρ		Average value with facing characteristics	44	kg/m ³		
Average Initial Thermal Conductivity	$\lambda_{90/90,i}$	EN 12667	Value at 10 °C	0,024	W/mK		
Declared Thermal Conductivity	λ_D	EN 13165 Annexes A and C	Value at 10 °C	mm 30 to 70	0,028	W/mK	
				mm 80 to 120	0,026		
Declared Thermal Conductivity	d_N	EN 823		from 30 to 120	mm		
Declared Thermal Resistance	R_D	EN 12667	$R_D = d/\lambda_D$	mm 30	1,07	(m ² K)W	
				mm 40	1,43		
				mm 50	1,79		
				mm 60	2,14		
				mm 70	2,50		
				mm 80	3,08		
				mm 100	3,85		
				mm 120	4,62		
Compressive Strength	CS(10/Y)	EN 826	at 10% deformation	mm 30 and 40	150	kPa	
				mm 50	160		
				mm 60 to 70	175		
				mm 80 to 120	150		
Dimensional Stability	DS(TH)	EN 1604	test conditions: 48h, 70 °C, 90% RH			%	
			variation on dimensions		1		
			variation on thickness	mm 30	5		
				mm 40 to 120	4		
			test conditions: 48h, -20 °C				
			variation on dimensions		0,5		
variation on thickness		1					
Reaction To Fire	Euroclass	EN 13501-1		f			
Specific Heat Capacity				1458	J/Kg °C		
Water Absorption	WL(T)	EN 12087	Total immersion for 28 days	< 2	%		
Water Vapour Diffusion Resistance	Z	EN 12086		4.9 ± 0.1	m ² /hPa		
Water Vapour Diffusion Resistance Factor	MU	EN 12086		33 ± 2	μ		
Tolerances provided for by European Norm EN 13165							
Thickness	T2	EN 13165	Thickness < 50 mm	± 2	mm		
			Thickness > 50 and < 75 mm	± 3			
			Thickness > 75 mm	+ 5, -2			
Dimensions			Dimensions < 1000	± 5	mm		
			Dimensions from 1000 to 2000	± 7,5			
			Dimensions from 2000 to 4000	± 10			
			Dimensions > 4000	± 15			
NOTES:							
Temperature Stability: Isolparma RF Rigid Foam Boards can be used in a range of temperatures between -40 °C and + 110 °C. They will resist to limited exposure to peaks of up to 200 °C and withstand with no problems the temperatures of molten bitumen. Prolonged exposure to high temperatures may cause deformations to the foam or to the facing material, but will not cause sublimation or melting of the foam.							



Isoplan PIR is a pre-assembled roofing element consisting of a flat (or cut-in) rigid thermoset polyisocyanurate board, available with various facing materials (Duotwin®, embossed aluminium, glass) topped by a bituminous underlay membrane of choice.

Product Range

ISOPLAN PIR is available with a Duotwin®, embossed aluminium or glass fibre linings; the bituminous underlay membranes can be aap- or sbs-modified, glass or polyester reinforced.

Main applications

Pre-assembled thermal insulation + base sheet waterproofing roofing element, suitable for most civil and industrial flat roofs and other constructions.

It is recommended for multi-layer constructions with/for: exposed roof waterproofing layers, below heavy duty protection, ballasted flat roofs, parking decks, roof gardens, pitched roofs, sheds, or prefab. r.c. roofing elements.

Specification wording

The insulation and the waterproofing base sheet will consist of a layer of ISOLPARMA ISOPLAN PIR combining a flat (or cut-in) rigid PIR (Polyiso) foam board (type RF3; RF5 or RF7) ... mm thick, and a polymer bitumen membrane (type)

Sizes and packaging

Standard:

ISOPLAN PIR RF3 e RF7 1,2 m x 1,2 m,
ISOPLAN PIR RF5 1,2 m. x 2,5 m.

The boards have a head and side selvedge that may vary from 5 to 10 cm.

On request cut-in boards can be supplied with a width up to 120 cm. and variable length up to 400 cm., with head, tail and one-side selvedge.

ISOPLAN PIR boards are delivered wrapped with PE on pallets.

PIR mm.	Board size m.
30	1,2x1,2
40	1,2x1,2
50	1,2x1,2
60	1,2x1,2
70	1,2x1,2
80	1,2x1,2
90	1,2x1,2
100	1,2x1,2
110	1,2x1,2
120	1,2x1,2

ISOPLAN PIR

Main applications



Flat roofs with exposed waterproofing layer



Ballasted or paved flat roofs



Car parks and ramps



Roof gardens



Pitched roofs below tiles or slates



Shed roofs



Prefabricated R.C. roof elements

CE marking



Polyisocyanurate Foam Insulation (PIR)



Polymer Bitumen Membrane


ISOPLAN PIR

TECHNICAL DATA OF THE PIR BOARD							EN 13165			
Properties	Code	Norm	Description	RF3	RF5	RF7	Unit			
Board Density			Average value with facing characteristics	36	40	35	kg ³			
Declared Thermal Conductivity	λ_D	EN 12667	Value at 10 °C	mm 30 to 70	0,023	0,023	0,028	W/mK		
				mm 80 to 120			0,026			
Declared Thermal Resistance	R_D	EN 12667	$R_D=d/\lambda_D$	mm 30	1,30	1,30	1,07	(m ² K)/W		
				mm 40	1,74	1,74	1,43			
				mm 50	2,17	2,17	1,79			
				mm 60	2,61	2,61	2,14			
				mm 70	3,04	3,04	2,50			
				mm 80	3,48	3,48	3,08			
				mm 90	3,91	3,91	3,46			
				mm 100	4,35	4,35	3,85			
				mm 110	4,78		4,23			
Compressive Strength	CS (10/Y)	EN 826	at 10% deformation	mm 30	150	150	150	KPa		
				mm 40	140	150	150			
				mm 50	150	150	160			
				mm 60	150	150	160			
				mm 70	150	150	160			
				mm 80 to 120	130	150	150			
Dimensional Stability	DS(TH)	EN 1604	test conditions: 48h, 70 °C, 90% RH					%		
			variation on dimensions			1			1	1
			Variation on thickness	mm 30 to 120	1	1			1	
				mm 30	5	4			6	
				mm 40	4	4			5	
				mm 50	4	4			4	
				mm 60	4	4			3	
				mm 70	4	4			3	
			mm 80 to 120	4	4	4				
test conditions: 48h, 20 °C										
variation on dimensions			0,5	0,5	0,5					
Variation on thickness			1	1	1					
Reaction To Fire	Euroclass	EN 13501-1		F	D	E				
Specific Heat Capacity				1453	1370	1464	kcal/kg°C			
Water Absorption	WL(T)	EN 12087	Total immersion for 28 days	< 1	< 1	< 2	%			
Water Vapour Diffusion Resistance				21 ± 3	-	8.0 ± 0,3				
Water Vapour Diffusion Resistance Factor	MU	EN 12086		148 ± 24	∞	56 ± 2	μ			
NOTES: Temperature Stability: Isolparma RF Rigid Foam Boards can be used in a range of temperatures between -40 °C and + 110 °C. They will resist to limited exposure to peaks of up to 200 °C and withstand with no problems the temperatures of molten bitumen. Prolonged exposure to high temperatures may cause deformations to the foam or to the facing material, but will not cause sublimation or melting of the foam.										



MISTRAL PIR

Main applications



Micro-ventilated pitched roofs

CE marking



Polyisocyanurate Foam Insulation (PIR)



Oriented Strand Board (OSB)

MISTRAL PIR is a pre-assembled insulated and ventilated roofing element that combines a base of rigid thermoset polyisocyanurate board CFC and HCFC free, with Polytwinn facing on both sides, and an OSB board top, raised on polyurethane bearing pads, to create a bi-directional air chamber.

It is recommended for roofing applications in environments with high relative moisture.

Main application

Thermal insulation of ventilated pitched floors.

Specification wording

The insulating system shall consist of Isolparma Mistral PIR pre-assembled insulated and ventilated roofing elements that combine a base of rigid thermoset polyisocyanurate board, CFC and HCFC free, with Polytwinn facing on both sides and an OSB board top, raised on polyurethane bearing pads, to create bi-directional air chambers.

Dimensions

Standard dimensions 0,585 x 1,2 m.

PIR mm.	Board size m.
40+40	0,585x1,20
50+40	0,585x1,20
60+40	0,585x1,20
50+50	0,585x1,20
60+50	0,585x1,20
60+60	0,585x1,20
70+40	0,585x1,20
80+40	0,585x1,20
90+40	0,585x1,20
100+40	0,585x1,20
110+40	0,585x1,20
120+40	0,585x1,20


MISTRAL PIR

TECHNICAL DATA OF THE PIR BOARD				EN 13165		
Properties	Code	Norm	Description	Value	Unit	
Board Density	ρ		Average value with facing characteristics	36	kg/m ³	
Average Initial Thermal Conductivity	$\lambda_{90/90,1}$	EN 12667	Value at 10 °C	0,022	W/mK	
Declared Thermal Conductivity	λ_D	EN 13165 Annexes A and C	Value at 10 °C	0,023	W/mK	
Nominal Thickness	d_N	EN 823		from 30 to 120	mm	
Declared Thermal Resistance	R_D	EN 12667	$R_D = d/\lambda_D$	mm 30	1,30	(m ² K)/W
				mm 40	1,74	
				mm 50	2,17	
				mm 60	2,61	
				mm 70	3,04	
				mm 80	3,48	
				mm 82	3,57	
				mm 90	3,91	
				mm 100	4,35	
				mm 110	4,78	
mm 120	5,22					
Compressive Strength	CS(10/Y)	EN 826	at 10% deformation	mm 30	150	kPa
				mm 40	140	
				mm 50 to 70	150	
				mma 80 to 120	130	
Dimensional Stability	DS(TH)	EN 1604	test conditions: 48h, 70 °C, 90% RH		%	
			variation on dimensions	1		
			variation on thickness	4		
			test conditions: 48h, -20°C			
			variation on dimensions	0,5		
variation on thickness	1					
Reaction To Fire	Euroclass	EN 13501-1		F		
Specific Heat Capacity				1453	J/kg°C	
Water Absorption	WL(T)	EN 12087	Total immersion for 28 days	< 1	%	
Water Vapour Diffusion Resistance	Z	EN 12086		21 ± 3	m ² /hPa	
Water Vapour Diiffusion Resistance Factor	MU	EN 12086		148 ± 24	μ	
Tolerances provided for by European Norm EN 13165						
Thickness	T2	EN 13165	Thickness < 50 mm	± 2	mm	
			Thickness > 50 and < 75 mm	± 3		
			Thickness > 75 mm	+ 5, -2		
Dimensions			Dimensions < 1000	± 5	mm	
			Dimensions from 1000 to 2000	± 7,5		
			Dimensions from 2000 to 4000	± 10		
			Dimensions > 4000	± 15		

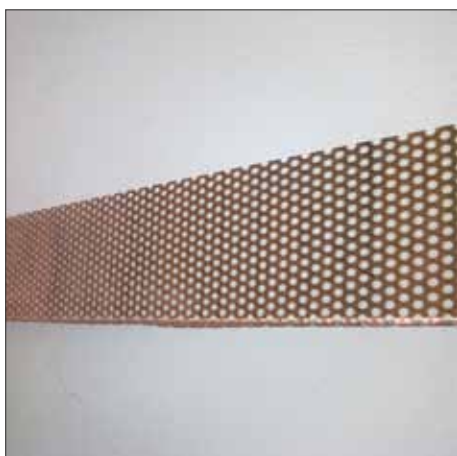
NOTES:

Temperature Stability: Isolparma RF Rigid Foam Boards can be used in a range of temperatures between -40 °C and + 110 °C. They will resist to limited exposure to peaks of up to 200 °C and withstand with no problems the temperatures of molten bitumen. Prolonged exposure to high temperatures may cause deformations to the foam or to the facing material, but will not cause sublimation or melting of the foam.

TECHNICAL DATA OF THE BITUMINOUS MEMBRANES									EN 13707 EN 13859-1
		TYPE OF MEMBRANES AND CARRIER							
Properties	Norm	3kg/PE	3kg/VV SBS	3kg/VV	PE3mm	PE4mm	3,5kg ARD	4,5 kg ARD	UNIT
Unit Weight	EN 1849-1	3	3	3	/	/	3,5	4,5	Kg/m ²
Thickness	EN1849-1	/	/	/	3	4	/	/	mm
Flexibility At Low Temperature	EN 1109	-5	-5	-5	-10	-10	-5	-10	°C
Flow Resistance	EN 1110	100	100	120	100	120	110	120	°C
Flow Resistance After Ageing	EN 1296	100	100 (tol. -10)	110 (tol. -10)	100 (tol. -10)	120 (tol. -10)	100	120 (tol. -10)	°C
Tensile Strength At Break	EN 12311-I	L=400 T=300	L=300 T=200	L=300 T=200	L=400 T=300	L=400 T=300	L=400 T=300	L=400 T=300	N/5 cm

ARD = slate finish; SBS = styrene-butadyene-styrene; VV = glass fiber carrier; PE = polyester carrier

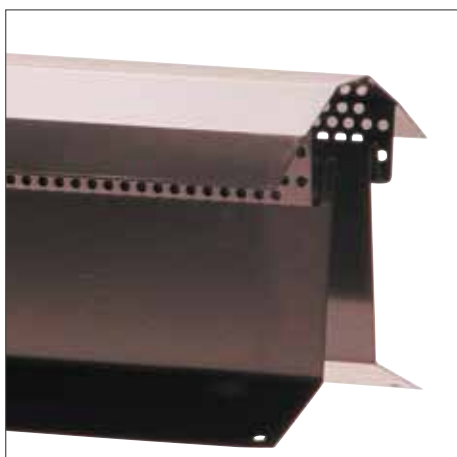
TECHNICAL DATA OF THE OSB/3 BOARD				
Properties		Test method	Unit	Thickness (mm) > 10-18
Dimensional Tolerances	length - width	EN 324-1	mm	+/-3
	thickness			+/-8
Straight Sides Tolerance		EN 324-2	mm/m	1,5
Rectangularity Tolerance		EN 324-2	mm/m	2
Flexural Resistance	L	EN 310	Mpa	20
	T	EN 310	Mpa	10
Flexural Elastic Form	L	EN 310	Mpa	3500
	T	EN 310	Mpa	1400
Internal Cohesion		EN 319	Mpa	0,32
Bulge 24h		EN 317	%	15
Density		EN 323	kg/m ³	660+/-10%
Moisture Content		EN 322		5-12%
Thermal Conductivity		EN 12664	W/mK	0,13
Formaldehyde Content		EN120		Class E1 max 8 mg/100 g
Flame Spread Index		EN 13501-1		83,8
Reaction To Fire		EN 13501-1	Euroclass	Class D-s1, D0
Water Vapour Resistance Value		EN 12524		μ moist 30 μ dry 50


Perforated Copper Edging Strips

Length: 1 lin.m./piece



Mistral board size	Batten dimensions b = short side - h = long side
60 + 40 + 12 mm	b=23,3 mm - h=110 mm
80 + 40 + 12 mm	b=36,6 mm - h=130 mm
100 + 40 + 12 mm	b=31,8 mm - h=150 mm

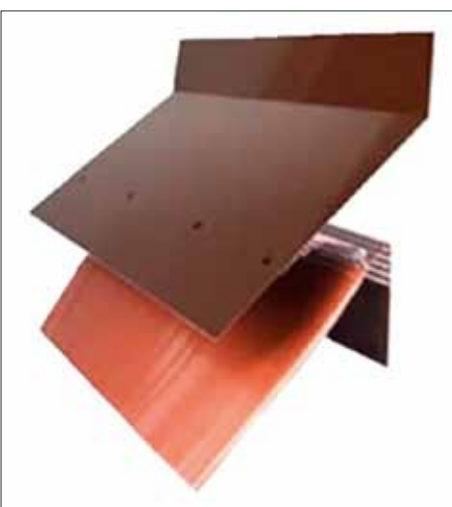

TURBOAIRY Ventilated Roof Ridge Element

Length: 1.lin.m/piece

Galvanized and coated steel aeration profile for horizontal or pitched roof ridges.

 Aeration surface: 400cm² / lin.m. - Available colors: aluminum or brown

TYPE
Turboairy h. 79 mm.
Turboairy h. 110 mm.


TURBOFLAT Ventilated Roof Ridge Element for Single-Pitched Roofs

Length: 1 lin.m./piece

Turboflat

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