



Floor Heating products

Sympor nub panels

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Nub panel SYMPOR Unisolo 14-17

Pipe fixing panel, thermoformed
polystyrene without EPS
Pipe laying grid 50 mm
For pipe diameter 14 – 17 mm

For any under insulation
Black PS foil, thickness 1 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Unisolo 14-17

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/pallet	m ² /pallet
001FHUSO-001	Unisolo 14-17	0	20	1,12	130	145,6

Item No.	Type	Insulation Thickness mm	Total Thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton
001FHUSO-002	Unisolo 14-17	0	20	1,12	18	20,16

Technical data

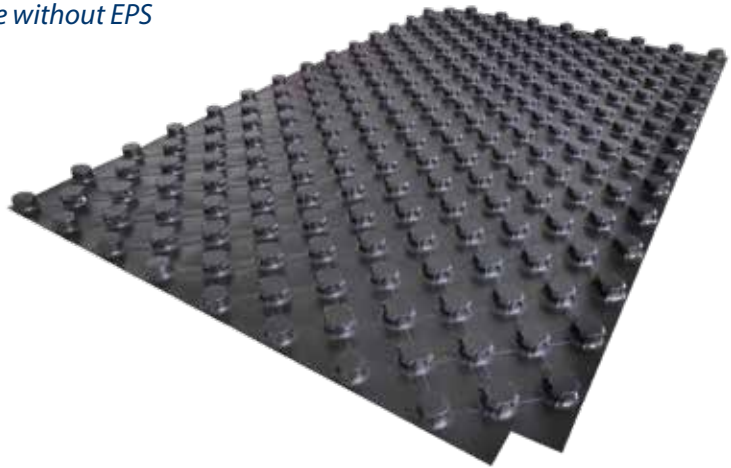
	Unit	Value
Max. traffic load	kPa	5-75
Laying grid	mm	50
Maximum load/Jumbo truck 26 pallets a` 130 pieces each	m ²	3785,6
Maximum load/Jumbo truck 260 carton a` 18 pieces each	m ²	5241,6

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Solo 14-16

Pipe fixing panel thermoformed polystyrene without EPS
Pipe laying grid 50 mm
For pipe diameter 14-16 mm
For any under insulation
Black foil, thickness 1 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Solo 14-16

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/pallet	m ² /pallet
001FHSO-14-001	Solo 14-16	0	20	1,12	130	145,6
Item No.	Type	Insulation Thickness mm	Total Thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton
001FHSO-14-002	Solo 14-16	0	20	1,12	20	22,4

Technical data

	Unit	Value
Maximum traffic load	kPa	5-75
Laying grid	mm	50
Maximum load/Jumbo truck 26 pallets à 130 pieces each	m ²	3785,6
load/Jumbo truck 260 cartons à 20 pieces each	m ²	5824

Maximum load per Jumbo truck: 26 pallets à 10 cartons = 260 cartons

Nub panel SYMPOR Duro 14-16 EPS 150

Nub panel SYMPOR Duro 14-16 EPS 200

Pipe fixing panel with EPS heat insulation

For pipe diameter 14-16 mm

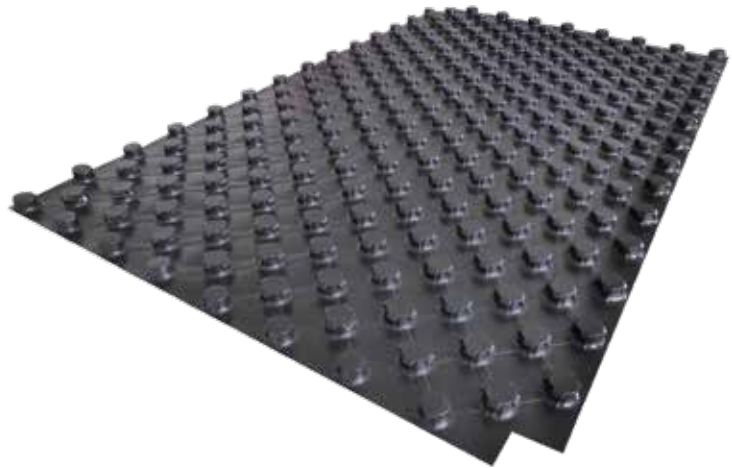
EPS insulation thickness 10-50 mm

Covered by a black PS foil with

0,6 mm thickness

Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Duro 14-16 EPS 150 / EPS 200

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
EPS 150: 001FHD-14-001-150	ND 10	10	30	1,12	12	13,44	0,25
EPS 200: 001FHD-14-001	ND 10	10	30	1,12	12	13,44	0,286
EPS 150: 001FHD-14-002-150	ND 20	20	40	1,12	8	8,96	0,50
EPS 200: 001FHD-14-002	ND 20	20	40	1,12	8	8,96	0,57
EPS 150: 001FHD-14-003-150	ND 30	30	50	1,12	6	6,72	0,75
EPS 200: 001FHD-14-003	ND 30	30	50	1,12	6	6,72	0,857
EPS 150: 001FHD-14-004-150	ND 40	40	60	1,12	5	5,6	1,00
EPS 200: 001FHD-14-004	ND 40	40	60	1,12	5	5,6	1,14
EPS 150: 001FHD-14-005-150	ND 50	50	70	1,12	4	4,48	1,25
EPS 200: 001FHD-14-005	ND 50	50	70	1,12	4	4,48	1,43

Technical data

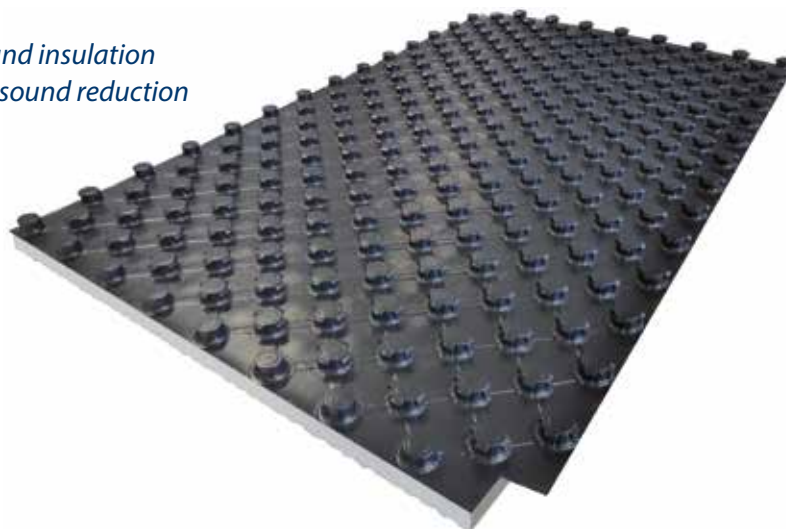
	Unit	Value EPS 150	Value EPS 200
Thermal heat conductivity group λ_D	W/mK	0,040	0,035
Compressive stress at 10 % relative deformation	kPa	150	200
Max. traffic load	kPa	5	75
Laying grid	mm	50	50
Bulk density	kg/m ³	25	30
Fire behaviour (EN 13501-1)		Euroclasse E	Euroclasse E
Categorisation EN 13163		EPS 150	EPS 200

Maximum load per Jumbo truck: 26 pallets a`10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 14-16 ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 14 – 16 mm. Impact sound reduction
For normal traffic load
EPS insulation thickness 30-2 mm
Covered by a black PS foil with
0,6 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 14-16 ND 30-2

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-14-001	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 30
Sound impact improvement	dB	26
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	20
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

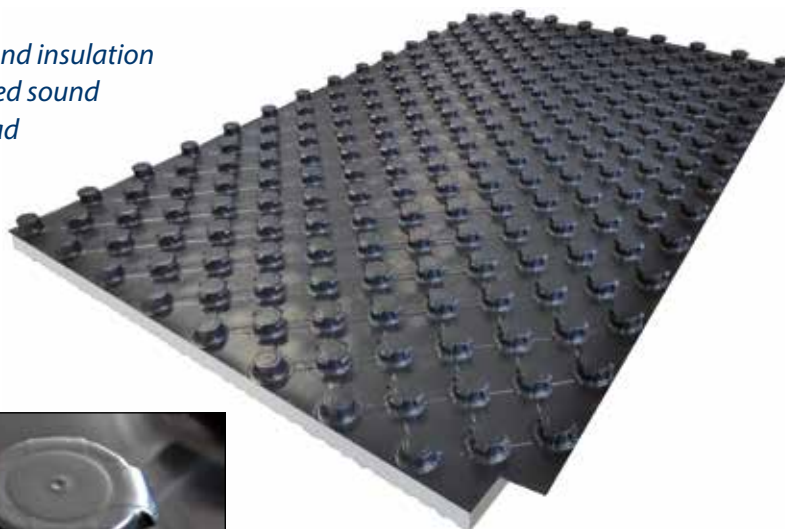
Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 14-16 Plus ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 14 – 16 mm. Improved sound
impact reduction. For normal traffic load
EPS insulation thickness 30-2 mm

Covered by a black PS Powerfoil
with 0,9 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 14 -16 Plus ND 30-2

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-003	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

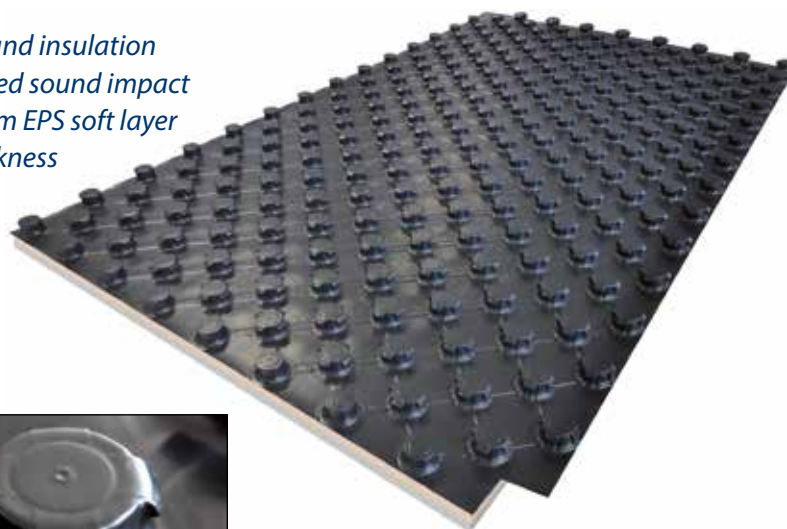
	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 20
Sound impact improvement	dB	28
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	15
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 14-16 Duo Density ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 14 – 16 mm. Improved sound impact reduction. 10 mm EPS hard layer, 20 mm EPS soft layer acoustic insulation. EPS insulation thickness 30-2 mm. For normal traffic load
Covered by a black PS foil with 0,6 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 14-16 Duo Density ND 30-2

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-14-005	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 20
Sound impact improvement	dB	28
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	30/12
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS -T
Maximum load / Jumbo truck	m ²	1747,20

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Solo 14-17

Pipe fixing panel, thermoformed polystyrene without EPS

Pipe laying grid 50 mm

For pipe diameter 14-17 mm

For any under insulation

Black foil, thickness 1 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Solo 14-17

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/pallet	m ² /pallet
001FHSO-14-17-001	Solo 14-17	0	20	1,12	130	145,6
Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton
001FHSO-14-17-002	Solo 14-17	0	20	1,12	20	22,4

Technical data

	Unit	Value
Max. traffic load	kPa	5-75
Laying grid	mm	50
Maximum load/Jumbo truck 26 pallets a` 130 pieces each	m ²	3785,6
Maximum load/Jumbo truck 260 carton a` 20 pieces each	m ²	5824

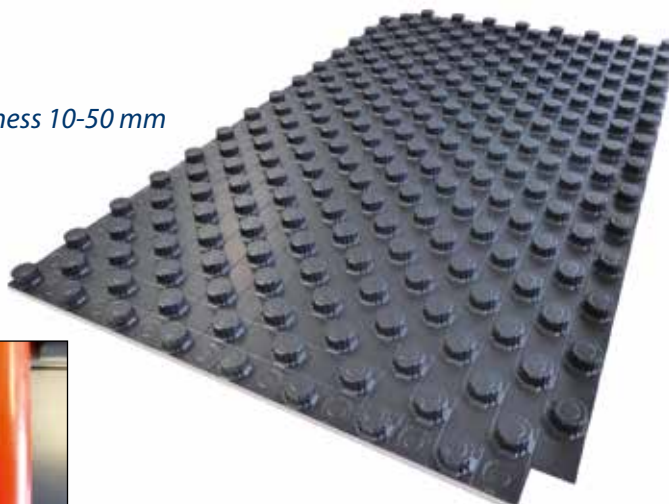
Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Duro 14-17 EPS 150

Nub panel SYMPOR Duro 14-17 EPS 200

Pipe fixing panel with EPS heat insulation
For pipe diameter 14-17 mm. EPS insulation thickness 10-50 mm
Covered by a black PS foil with 0,6 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Duro 14-17 EPS 150 / EPS 200

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
EPS 150: 001FHD-14-17-001-150	ND 10	10	30	1,12	12	13,44	0,25
EPS 200: 001FHD-14-17-001	ND 10	10	30	1,12	12	13,44	0,286
EPS 150: 001FHD-14-17-002-150	ND 20	20	40	1,12	8	8,96	0,5
EPS 200: 001FHD-14-17-002	ND 20	20	40	1,12	8	8,96	0,57
EPS 150: 001FHD-14-17-003-150	ND 30	30	50	1,12	6	6,72	0,75
EPS 200: 001FHD-14-17-003	ND 30	30	50	1,12	6	6,72	0,857
EPS 150: 001FHD-14-17-004-150	ND 40	40	60	1,12	5	5,6	1,0
EPS 200: 001FHD-14-17-004	ND 40	40	60	1,12	5	5,6	1,14
EPS 150: 001FHD-14-17-005-150	ND 50	50	70	1,12	4	4,48	1,25
EPS 200: 001FHD-14-17-005	ND 50	50	70	1,12	4	4,48	1,43

Technical data

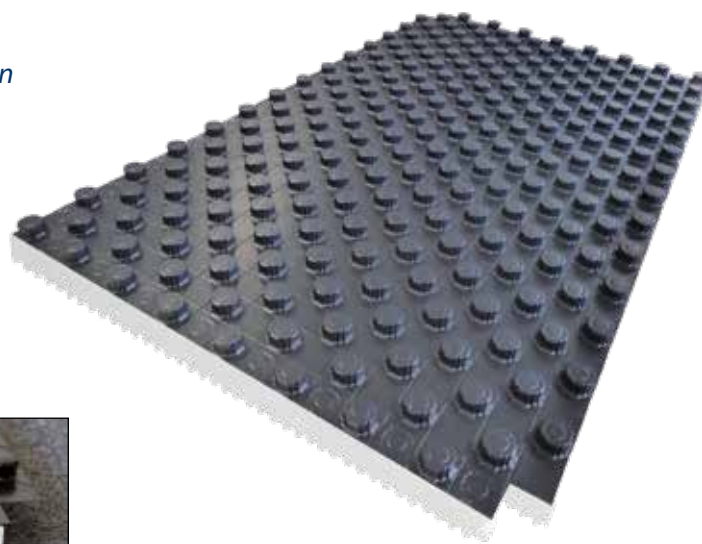
	Unit	Value EPS 150	Value EPS 200
Thermal heat conductivity group λ_D	W/mK	0,04	0,035
Compressive stress at 10 % relative deformation	kPa	150	200
Max. traffic load	kPa	5	75
Laying grid	mm	50	50
Bulk density	kg/m ³	25	30
Fire behaviour (EN 13501-1)		Euroclasse E	Euroclasse E
Categorisation EN 13163		EPS 150	EPS 200

Maximum load per Jumbo truck: 26 pallets a`10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 14-17 ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 14-17 mm. Impact sound reduction
For normal traffic load
EPS insulation thickness 30-2 mm
Covered by a black PS foil with
0,6 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 14-17 ND 30-2

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-14-17-001	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 30
Sound impact improvement	dB	26
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	20
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

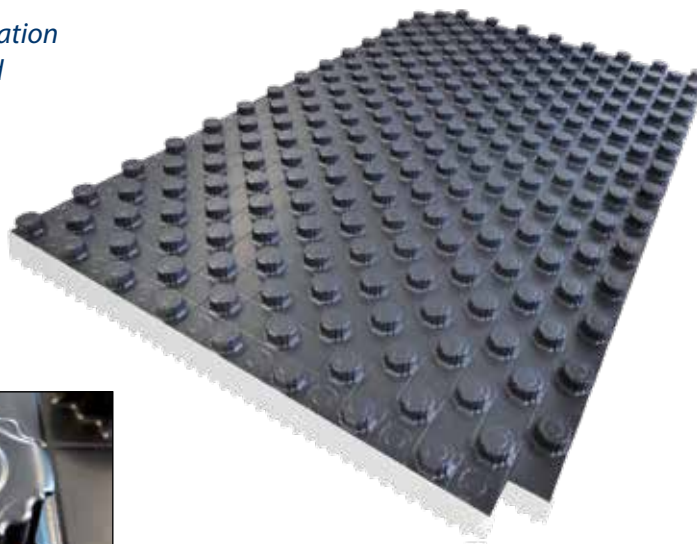
Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 14-17 Plus ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 14 – 17 mm. Improved sound
impact reduction. For normal traffic load
EPS insulation thickness 30-2 mm

Covered by a black PS Powerfoil
with 0,9 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 14-17 Plus ND 30-2

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-14-17-002	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

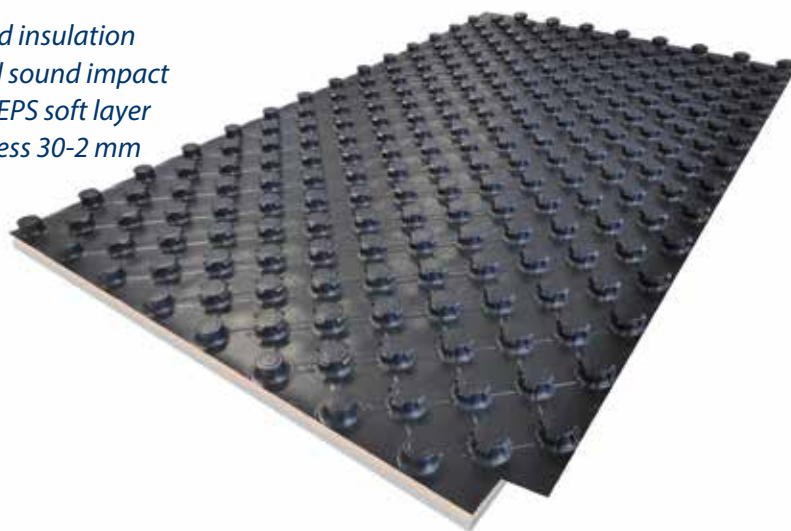
	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 20
Sound impact improvement	dB	28
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	15
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 14-17 Duo Density ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 14 – 17 mm. Improved sound impact reduction 10 mm EPS hard layer. 20 mm EPS soft layer
acoustic insulation EPS insulation thickness 30-2 mm
For normal traffic load
Covered by a black PS foil with 0,6 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 14-17 Duo Density ND 30-2

Item No.	Type	Insulation Thickness mm	Total Thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSIDD-14-17-001	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 20
Sound impact improvement	dB	28
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	30/12
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Solo 16-18

Pipe fixing panel, thermoformed polystyrene without EPS

Pipe laying grid 50 mm

For pipe diameter 16-18 mm

For any under insulation

Black foil, thickness 1 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Solo 16-18

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/pallet	m ² /pallet
001FHSO-001	Solo 16-18	0	20	1,12	130	145,6

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton
001FHSO-002	Unisolo 16-18	0	20	1,12	20	22,4

Technical data

	Unit	Value
Max. traffic load	kPa	5-75
Laying grid	mm	50
Maximum load/Jumbo truck 26 pallets a` 130 pieces each	m ²	3785,6
Maximum load/Jumbo truck 260 carton a` 20 pieces each	m ²	5824

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Duro 16-18 EPS 150

Nub panel SYMPOR Duro 16-18 EPS 200

Pipe fixing panel with EPS heat insulation
For pipe diameter 16-18 mm. For normal traffic load
EPS insulation thickness 10-50 mm. Covered by a black PS foil with
0,6 mm thickness. Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Duro 16-18 EPS 150 / EPS 200

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
EPS 150: 001FHD-001-150	ND 10	10	30	1,12	12	13,44	0,25
EPS 200: 001FHD-001	ND 10	10	30	1,12	12	13,44	0,286
EPS 150: 001FHD-002-150	ND 20	20	40	1,12	8	8,96	0,5
EPS 200: 001FHD-002	ND 20	20	40	1,12	8	8,96	0,57
EPS 150: 001FHD-003-150	ND 30	30	50	1,12	6	6,72	0,75
EPS 200: 001FHD-003	ND 30	30	50	1,12	6	6,72	0,857
EPS 150: 001FHD-004-150	ND 40	40	60	1,12	5	5,6	1,0
EPS 200: 001FHD-004	ND 40	40	60	1,12	5	5,6	1,14
EPS 150: 001FHD-005-150	ND 50	50	70	1,12	4	4,48	1,25
EPS 200: 001FHD-005	ND 50	50	70	1,12	4	4,48	1,43

Technical data

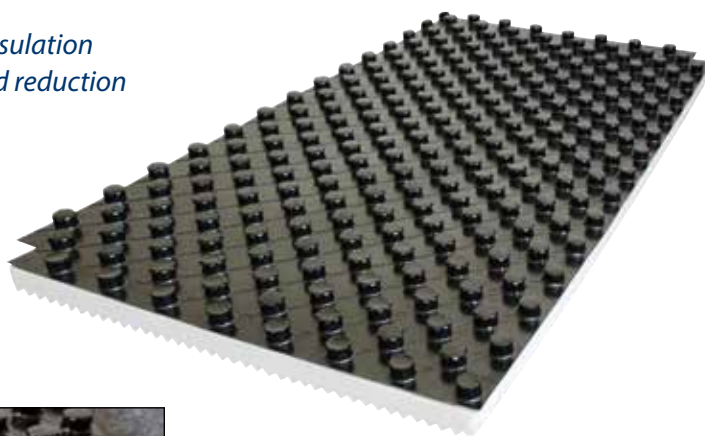
	Unit	Value EPS 150	Value EPS 200
Thermal heat conductivity group λ_D	W/mK	0,04	0,035
Compressive stress at 10 % relative deformation	kPa	150	200
Max. traffic load	kPa	5	75
Laying grid	mm	50	50
Bulk density	kg/m ³	25	30
Fire behaviour (EN 13501-1)		Euroclasse E	Euroclasse E
Categorisation EN 13163		EPS 150	EPS 200

Maximum load per Jumbo truck: 26 pallets a`10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 16-18 ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 16 – 18 mm. Impact sound reduction
For normal traffic load
EPS insulation thickness 30-2 mm
Covered by a black PS foil with
0,6 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 16-18 ND 30-2

Item No.	Type	Insulation thickness mm	Total thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-001	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 30
Sound impact improvement	dB	26
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	20
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS -T
Maximum load / Jumbo truck	m ²	1747,20

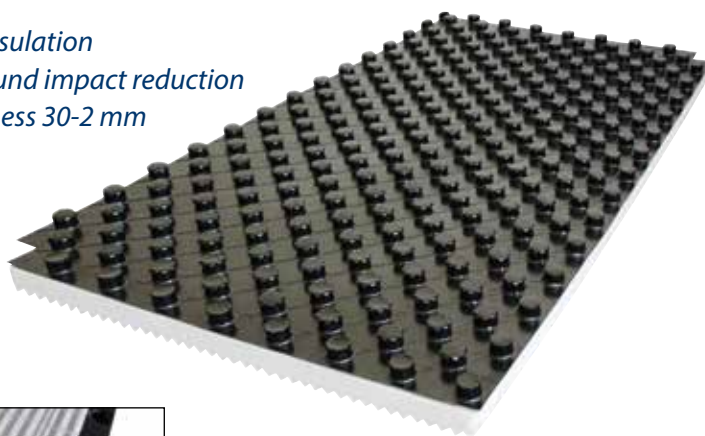
Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 16-18 Plus ND 30-2

Pipe fixing panel with EPS heat and sound insulation
For pipe diameter 16 – 18 mm. Improved sound impact reduction
For normal traffic load. EPS insulation thickness 30-2 mm

Covered by a black PS Powerfoil with
0,9 mm thickness
Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 16-18 Plus ND 30-2

Item No.	Type	Insulation Thickness mm	Total Thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-002	ND 30-2	30	52	1,12	6	6,72	0,75

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 20
Sound impact improvement	dB	28
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	15
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

Nub panel SYMPOR Silenzio 16-18 Duo Density ND 30-2

Pipe fixing panel with EPS heat and sound insulation

For pipe diameter 16 – 18 mm. Improved sound impact reduction

10 mm EPS hard layer. 20 mm EPS soft layer acoustic insulation

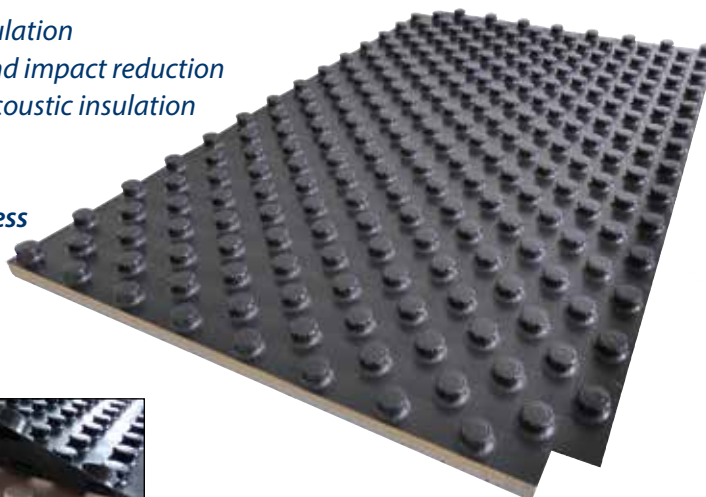
EPS insulation thickness 30-2 mm

For normal traffic load

Covered by a black PS foil with 0,6 mm thickness

Pipe laying grid 50 mm

Panel format: 1400 x 800 mm



Nub panel SYMPOR Silenzio 16-18 Duo Density ND 30-2

Item No.	Type	Insulation Thickness mm	Total Thickness mm	Usable surface m ²	Packing unit Pieces/carton	m ² /carton	Thermal resistance m ² K/W
001FHSI-005	ND 30-2	30	52	1,12	6	6,72	0,75

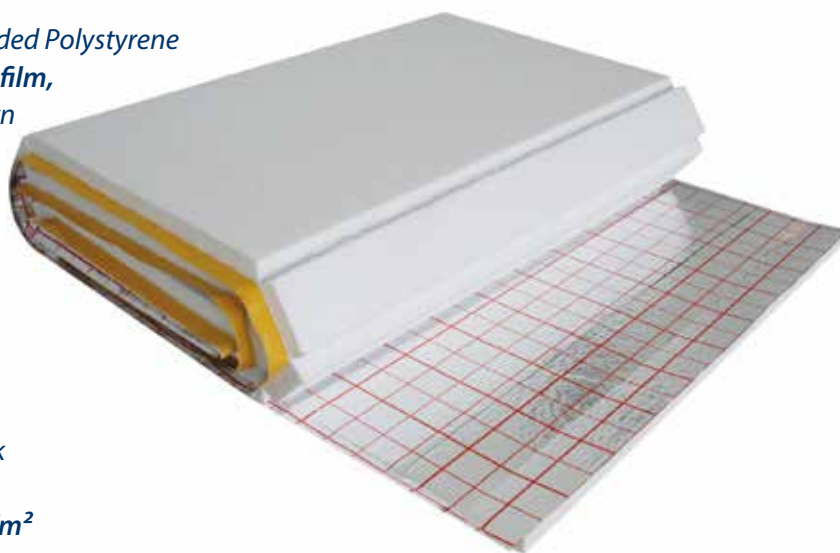
Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,040
Dynamic rigidity S'	MN/m ³	≤ 20
Sound impact improvement	dB	28
Max. traffic load	kPa	5
Laying grid	mm	50
Bulk density	kg/m ³	30/12
Fire behaviour (EN 13501-1)		Euroclasse E
Categorisation EN 13163		EPS-T
Maximum load / Jumbo truck	m ²	1747,20

Maximum load per Jumbo truck: 26 pallets a` 10 cartons = 260 cartons

SYMPOR Tacker panel roll EPS-T 650 ALU-PET

Heat and sound insulation of expanded Polystyrene EPS-T 650, laminated with ALU PET film, tear resistant, with printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panel rolls.



Roll format : 10000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track

Suitable for a total load of 650 kg/m²

SYMPOR Tacker panel roll EPS-T 650 ALU-PET

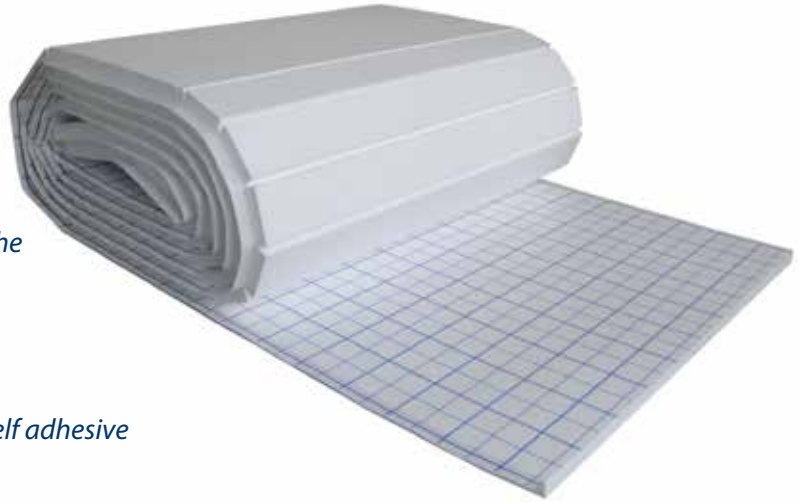
Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load KN/m ²	R m ² K/W	S' MN/m ³	VM dB
001TAKR-T650-20-2	20 -2	10000	10	6,5	0,5	≤ 30	27
001TAKR-T650-25-2	25-2	10000	10	6,5	0,63	≤ 30	27
001TAKR-T650-30-2	30-2	10000	10	6,5	0,75	≤ 20	29
R= Thermal resistance S' = Dynamic rigidity VM = Improvement of sound impact							

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,04
Flexural Strength	kPa	≥ 50
Short term heat stability	° C	95
Long term heat stability	° C	75-80
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-T 650

SYMPOR Tacker panel roll EPS-T 650

Heat and sound insulation of expanded Polystyrene EPS-T650, laminated with white PP ribbon fabric film, tear resistant, with a blue printed on pattern 50 x50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panel rolls.



Roll format : 10000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track.

Suitable for a total load of 650 kg/m²

SYMPOR Tacker panel roll EPS-T 650

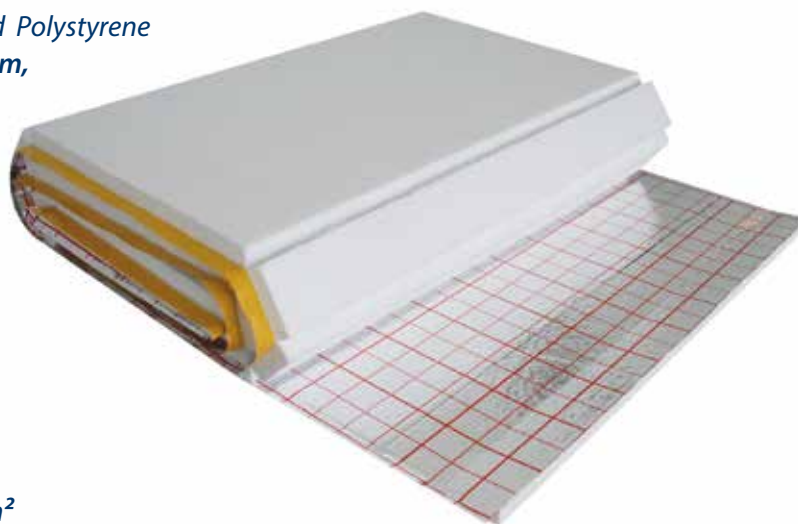
Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load KN/m ²	R m ² K/W	S` MN/m ³	VM dB
500TAKR-T650-20-2	20-2	10000	10	6,5	0,5	≤ 30	27
500TAKR-T650-25-2	25-2	10000	10	6,5	0,63	≤ 30	27
500TAKR-T650-30-2	30-2	10000	10	6,5	0,75	≤ 20	29
R= Thermal resistance S`= Dynamic rigidity VM = Improvement of sound impact							

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,04
Flexural Strength	kPa	≥ 50
Short term heat stability	° C	95
Long term heat stability	° C	75-80
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-T 650

SYMPOR Tacker panel roll EPS-T 1000 ALU-PET

Heat and sound insulation of expanded Polystyrene EPS-T 1000, laminated with **ALU PET film**, tear resistant, with printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panel rolls.



Roll format: 10000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track.

Suitable for a total load of 1000 kg/m²

SYMPOR Tacker panel roll EPS-T 1000 ALU-PET

Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load KN/m ²	R m ² K/W	S` MN/m ³	VM dB
001TAKR-T1000-30-2	30-2	10000	10	10	0,79	≤ 30	27

R= Thermal resistance

S`= Dynamic rigidity

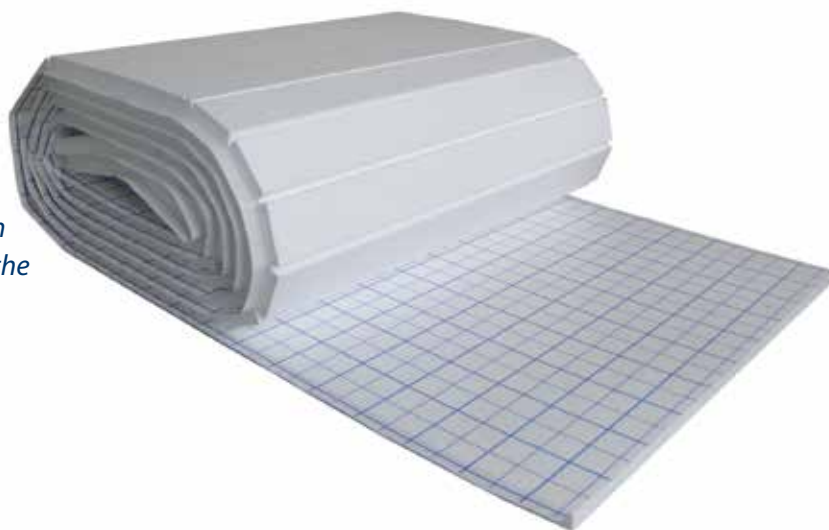
VM = Improvement of sound impact

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,038
Flexural Strength	kPa	≥ 50
Short term heat stability	° C	95
Long term heat stability	° C	75-80
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-T 1000

SYMPOR Tacker panel roll EPS-T 1000

Sound and heat insulation of expanded Polystyrene EPS-T 1000, laminated with white PP ribbon fabric film, tear resistant, with a blue printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panel rolls.



Roll format: 10000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track.

Suitable for a total load of 1000 kg/m²

SYMPOR Tacker panel roll EPS-T 1000

Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load kN/m ²	R m ² K/W	S` MN/m ³	VM dB
500 TAKR-T1000-30-2	30-2	10000	10	10	0,79	≤ 30	27

R= Thermal resistance

S`= Dynamic rigidity

VM = Improvement of sound impact

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,038
Flexural strength	kPa	≥ 50
Short term heat stability	°C	95
Long term heat stability	°C	75-80
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-T 1000

SYMPOR Tacker panel roll EPS-100 ALU-PET

Heat insulation of expanded Polystyrene EPS-100, laminated with ALU PET film, tear resistant, with printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panel rolls.



Roll format: 10000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track.

Suitable for heavy traffic load

SYMPOR Tacker panel roll EPS-100 ALU-PET

Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load KN/m ²	R m ² K/W	S` MN/m ³	VM dB
001TAKR-W20-030	30	10000	10	20	0,75	-	-

R= Thermal resistance

S`= Dynamic rigidity

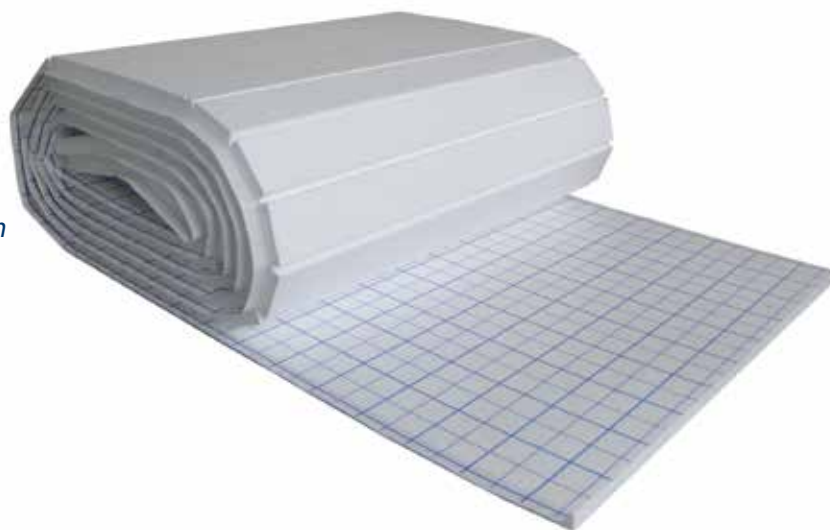
VM = Improvement of sound impact

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,038
Flexural strength	kPa	≥ 150
Short term heat stability	° C	95
Long term heat stability	° C	80-85
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-100

SYMPOR Tacker panel roll EPS-100

Heat insulation of expanded Polystyrene EPS-100, laminated with white PP ribbon fabric film, tear resistant, with a blue printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panels.



Panel format: 10000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track.

Suitable for heavy traffic load

SYMPOR Tacker panel roll EPS-100

Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load kN/m ²	R m ² K/W	S' MN/m ³	VM dB
500 TAKR-W20-030	30	10000	10	20	0,75	-	-

R= Thermal resistance

S' = Dynamic rigidity

VM = Improvement of sound impact

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,038
Flexural strength	kPa	≥ 150
Short term heat stability	°C	95
Long term heat stability	°C	80-85
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-100

SYMPOR Tacker staple panel EPS 150

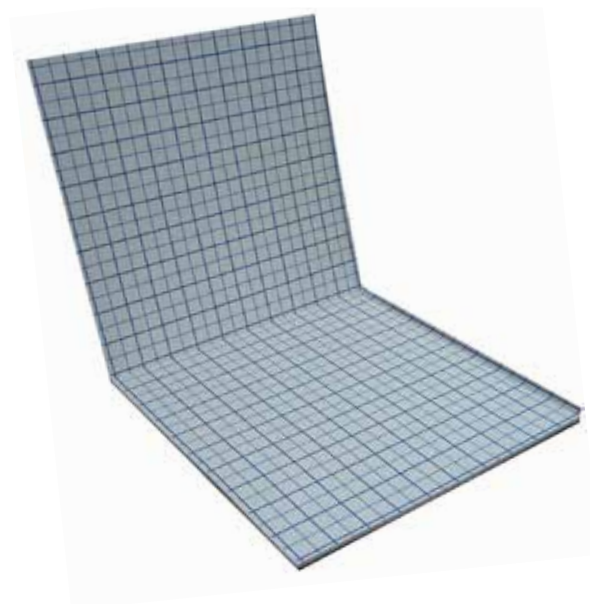
Heat insulation of expanded Polystyrene EPS 150, laminated with white PP ribbon fabric film, tear resistant, with a blue printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the film allows quick and precise connecting of the panels.

Panel format: 2000 x 1000 mm

Packaging: PE bag

Pipe installation by Tacker pipe clip, or self adhesive U profile clamp track.

Suitable for heavy traffic load



SYMPOR Tacker staple panel EPS 150

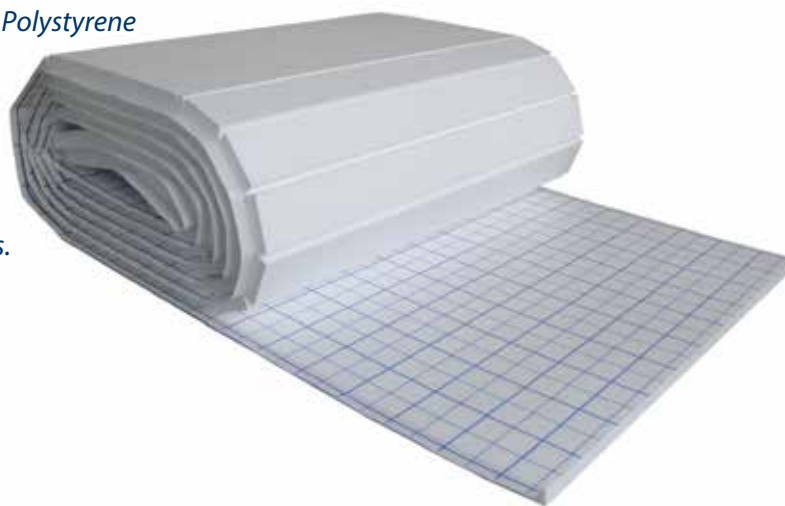
Item No.	Thickness mm	Length mm	Unit m ² / bag	Max load KN/m ²	R m ² K/W	S` MN/m ³	VM d
500 TAKFP-W 30-020	20	2000	10	30	0,57	-	-
500 TAKFP-W 30-025	25	2000	10	30	0,71	-	-
500 TAKFP-W 30-030	30	2000	10	30	0,86	-	-
R= Thermal resistance S` = Dynamic rigidity VM = Improvement of sound impact							

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,035
Flexural strength	kPa	36-62
Short term heat stability	°C	95
Long term heat stability	°C	75-80
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-150

SYMPOR Klett panel roll EPS-T 650

Heat and sound insulation of expanded Polystyrene EPS-T 650, laminated with white tear resistant Velour loop foil with a blue printed on pattern 50 x 50 mm installation grid. Self adhesive strip on one side of the foil allows quick and precise connecting of the panel rolls.



Roll format: 10000 x 1000 mm

Packaging: PE bag

For velcro pipes

Pipe dimensions 16 – 17 mm

Suitable for a total load of 650 kg/m²

SYMPOR Klett panel roll EPS-T 650

Item No.	Thickness mm	Length mm	Unit m ² / Roll	Max load KN/m ²	R m ² K/W	S` MN/m ³	VM dB
001KR-T650-20-2	20-2	10000	10	6,5	0,5	≤ 30	27
001KR-T650-25-2	25-2	10000	10	6,5	0,63	≤ 30	27
001KR-T650-30-2	30-2	10000	10	6,5	0,75	≤ 30	29
R= Thermal resistance S`= Dynamic rigidity VM = Improvement of sound impact							

Technical data

	Unit	Value
Thermal heat conductivity group λ_D	W/mK	0,04
Flexural strength	kPa	≥ 50
Short term heat stability	° C	95
Long term heat stability	° C	75-80
Fire behaviour (EN 13501-1)		Euroclasse E
Classification EN 13163		EPS-T 650

NEW

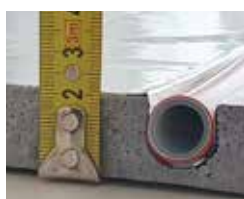
SYMPOR
EPS Industries

SYMPOR SILVER REFLEX TBES 20-16 EPS 200 Drywall Construction Element

The Sympor Silver Reflex TBES 20-16 EPS 200 drywall construction element with a total height of 20 mm is ideal for retrofitting floor heating systems with minimal floor height. The TBES element consists of straight parts and deflection parts. The heat from the heating tube is distributed through a glued on aluminium coating. Tubes with a 16 mm diameter can be laid without any difficulty.

Sympor Silver Reflex TBES 20-16 plates are foam-moulded in EPS 200 quality and are quality controlled according to DIN EN 13163. The high gross density allows high traffic loads of 75 kN/m².

Plate format: 600 x 1600 mm



SYMPOR Silver Reflex TBES 30-16 EPS 200 Drywall Construction Element

Article no.	Designation	Type	Packing unit box Pcs./box	Packing unit pallet Pcs./pal.
001TBES-20-16	Drywall construction element Silver Reflex	Sympor TBES 20-16	9 Pcs./box = 8,64 m ²	126 Pcs./pal. = 120,96 m ²

Technical data

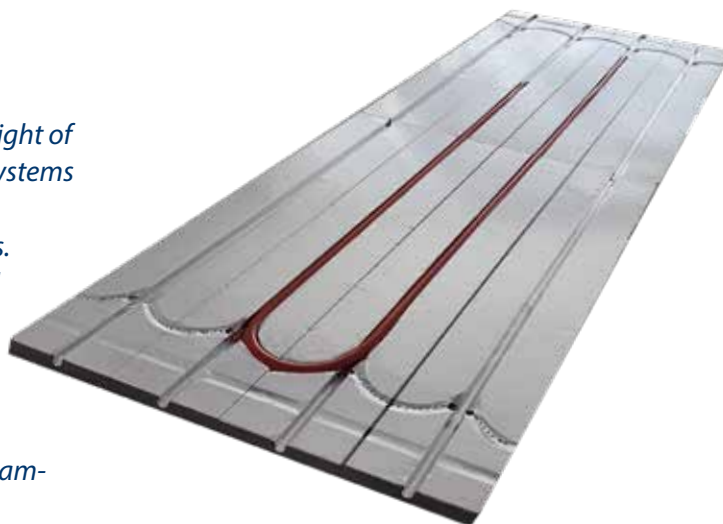
	Unit	Value
Plate measurements/usable dimension	mm	600x1600
Plate thickness	mm	20
Floor space	m ²	0,96
Load capacity	kN/m ²	75
Tube diameter	mm	16
Laying distance	mm	150
Heat conductivity declared value λ_D	W/mK	0,031
Heat transfer resistance R	m ² K/W	0,60
Maximum traffic load	kPa	75
Compressive strength at 10% strain	kPa	≥ 200
Reaction to fire	Euro class E	

NEW

SYMPOR
EPS Industries

SYMPOR SILVER REFLEX TBES 30-16 EPS 200 Drywall Construction Element

The Sympor Silver Reflex TBES 30-16 EPS 200 drywall construction element with a total height of 30 mm is ideal for retrofitting floor heating systems with minimal floor height. The TBES element consists of straight parts and deflection parts. The heat from the heating tube is distributed through a glued on aluminium coating. Tubes with a 16 mm diameter can be laid without any difficulty.



Sympor Silver Reflex TBES 30-16 plates are foam-moulded in EPS 200 quality and are quality controlled according to DIN EN 13163. The high gross density allows high traffic loads of 75 kN/m².

Plate format: 600 x 1600 mm



SYMPOR Silver Reflex TBES 30-16 EPS 200 Drywall Construction Element

Article no.	Designation	Type	Packing unit box Pcs./box	Packing unit pallet Pcs./pal.
001TBES-30-16	Drywall construction element Silver Reflex	Sympor TBES 30-16	6 Pcs./box = 5,76 m ²	84 Pcs./pal. = 80,64 m ²

Technical data

	Unit	Value
Plate measurements/usable dimension	mm	600x1600
Plate thickness	mm	30
Floor space	m ²	0,96
Load capacity	kN/m ²	75
Tube diameter	mm	16
Laying distance	mm	150
Heat conductivity declared value λ_D	W/mK	0,031
Heat transfer resistance R	m ² K/W	0,95
Maximum traffic load	kPa	75
Compressive strength at 10% strain	kPa	≥ 200
Reaction to fire	Euro class E	

SYMPOR TBE 20-16 / 30-16 EPS 200 Drywall Construction Elements

The Sympor TBE 20-16 / 30-16 drywall construction element with a total height of merely 20 / 30mm is ideal for retrofitting floor heating systems with minimal floor height.

For load distribution, galvanised metal sheets or dry screed plates are used.

The heat from the heating tube is distributed through omega-shaped heat conducting sheets made of aluminium or galvanised sheet metal.

This way tubes with a 16mm diameter can be laid without any difficulty and without popping out of the heat conducting sheets.



Due to the special design of the EPS elements, meandering or double meandering tube layouts are possible. Sympor TBE 20-16 / 30-16 plates are foam-moulded in EPS 200 DEO quality and are quality controlled according to DIN EN 13163. The high gross density allows high traffic loads of 5 kN/m².

Plate format: 800 x 500 mm



SYMPOR TBE 20-16 / 30-16 EPS 200 Drywall Construction Elements

Article no.	Designation	Type	Packing unit Pieces/box
001TBE-20-16	Drywall construction element	Sympor TBE 20-16	10 Pieces/box= 4 m ²
001TBE-30-16	Drywall construction element	Sympor TBE 30-16	10 Pieces/box= 4 m ²

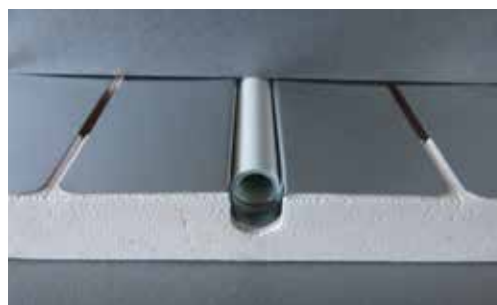
Technical data

	Unit	Value
Plate measurements/usable dimension	mm	800x500
Plate thickness	mm	20 30
Floor space	m ²	0,4
Load capacity	kN/m ²	5
Tube diameter	mm	16
Laying distance	mm	125 and 250
Heat conductivity declared value λ_D	W/mK	0,035
Heat transfer resistance R	m ² K/W	0,57 0,86
Maximum traffic load	kPa	5
Compressive strength at 10% strain	kPa	≥ 200
Reaction to fire	Euro class E	

SYMPOR WLB 16 Heat Conducting Sheet

Moulded heat conducting sheet made of galvanised steel or aluminium with pre-cut predetermined breaking points every 125mm to ensure the even distribution of loads and heat.

The secure hold of the tube is ensured by an Ω -shaped seat.



SYMPOR WLB 16 heat conducting sheet

Article no.	Designation	Type	Packing unit Pieces/carton
001WLB-001	Galvanised heat conducting sheet steel	WBL 16	50
001WLB-002	Heat conducting aluminium sheet	WBL 16	50

Technical data

	Unit	Value
Tube diameter	mm	16
Sheet thickness	mm	0,4-0,43
Width	mm	120
Length:	mm	750
Predetermined breaking point	mm	Every 125

NEW

SYMPOR
EPS Industries

SYMPOR Thin Layer Element DSE 10-12

The thin layer element Sympor DSE 10-12 is ideal for renovations, for the installation of underfloor heating with minimum installation height.

The element Sympor DSE 10-12 is a perforated nub panel with adhesive back. The adhesive layer helps to fix the element during pipe laying and the perforation allows the nubs to be completely filled with levelling compound.



Panel format: 1400 x 800 mm



SYMPOR Thin Layer Element DSE 10-12

Item No.	Designation	Type	Packaging unit box Pcs/box	Packaging unit pallet Pcs/pal.
001DSE 10-12-002	Thin Layer Element	Sympor DSE 10-12	16 Stk. = 17,92 m ²	160 Stk. = 179,20 m ²

Technical data

	Unit	Value
Plate measurements / usable dimension	mm	1400x800
Panel height	mm	16
Usable area	m ²	1,12
Tube diameter	mm	10-12
Laying grid	mm	50
Adhesive layer on the back with removable protective film		

NEW

SYMPOR
EPS Industries

SYMPOR Thin Layer Element DSE 14-16

The thin layer element Sympor DSE 14-16 is ideal for renovations, for the installation of underfloor heating with minimum installation height.

The element Sympor DSE 14-16 is a perforated nub panel with adhesive back. The adhesive layer helps to fix the element during pipe laying and the perforation allows the nubs to be completely filled with levelling compound.



Panel format: 1400 x 800 mm



SYMPOR Thin Layer Element DSE 14-16

Item No.	Designation	Type	Packaging unit box Pcs/box	Packaging unit pallet Pcs/pal.
001DSE 14-16-002	Thin Layer Element	Sympor DSE 14-16	20 Stk. = 22,40 m ²	200 Stk. = 224 m ²

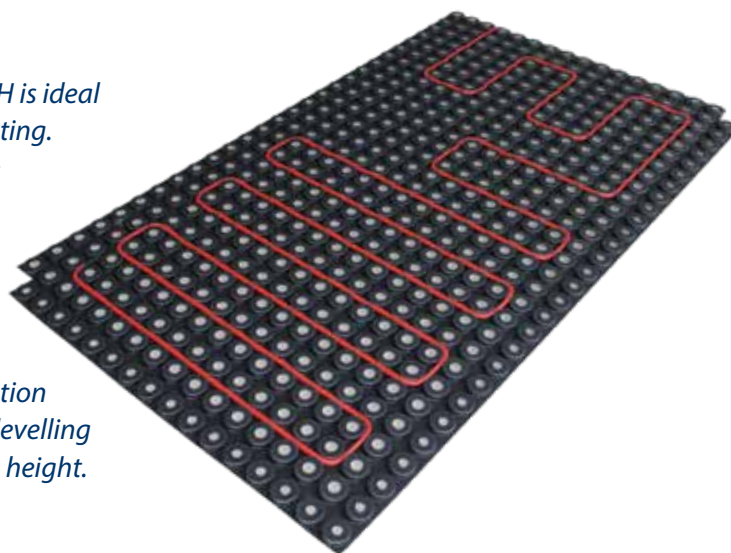
Technical data

	Unit	Value
Plate measurements / usable dimension	mm	1400x800
Panel height	mm	22
Usable area	m ²	1,12
Tube diameter	mm	14-16
Laying grid	mm	50
Adhesive layer on the back with removable protective film		

NEW

SYMPOR Element for Electric Heating EH

The Sympor Element for Electrical Heating EH is ideal for the installation of electric underfloor heating. Due to the arrangement of the nubs and the insertion of the cable on site, it offers a high degree of flexibility for cable laying. The Sympor Element for Electrical Heating EH is a perforated nub panel with adhesive back. The adhesive layer helps to fix the element during cable laying and the perforation allows the nubs to be completely filled with levelling compound, thus minimizing the installation height.



Panel format: 1400 x 800 mm



SYMPOR Element for Electric Heating EH

Item No.	Designation	Type	Packaging unit box Pcs/box	Packaging unit pallet Pcs/pal.
001EH - 001	Electric Heating	Sympor EH	16 Stk. = 17,92 m ²	160 Stk. = 179,20 m ²

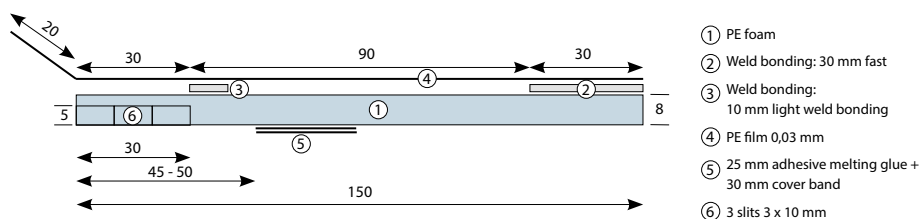
Technical data

	Unit	Value
Plate measurements / usable dimension	mm	1400x800
Panel height	mm	11
Usable area	m ²	1,12
Cable dimension	mm	7-8
Laying grid	mm	50
Adhesive layer on the back with removable protective film		

Edge insulation strip SYMPOR PE FSR Comfort 8/150

Self-adhesive edge insulation strip with
rip-off slits and film strap
Application: for cement and
floating screed

Dimensions: Length: 50 m
Height / width: 150 mm
Thickness: 8 mm



Edge insulation strip SYMPOR PE FSR Comfort 8/150

Item no.	Designation	Type	Packing unit bag
001RD-001	Edge insulation strip	Sympor PE FSR Comfort 8 / 150	8 rolls x 50 m = 400 m / bag

Technical data

Minimum order volume	1 bag = 400 m
Colour	blue
Transport/storage	dry storage; product must not be exposed to direct sunlight
Material class	B2 (normally flammable) according to DIN 4102
Special properties	Transparent or translucent film strap, 30 mm fast weld bonding, 10 mm light weld bonding



SYMPOR

EPS Industries



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