THERMAFLEX ®

Technical Data Sheet

ThermaMount Marine 4.0

Thermal insulated pipe supports by Thermaflex®

High strength pipe supports designed for full compatibility with ThermaSmart® Marine 4.0

Benefits

- Prevention of thermal bridges at anchoring points
- Full system compatibility
- CFC-free closed-cell PIR foam core
- Simple installation
- Reduced noise transmission
- Lightweight design
- High load capacity

Applications

- Airconditioning, cooling and refrigeration
- Pipe systems, chillers, fan & coils, air handlers and tanks
- Suitable for highly corrosive environments
- Temperature range -170°C to 105°C






Design

Closed-cell PIR foam covered with black aluminum foil (with/without aluminum plates underneath) to ensure a high-water vapor barrier

Disclaimer
All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of the products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.

Technical properties

Properties	Units SI	Values	Testing method
Physical properties			
Dimensional tolerances	-	Coherent	EN 14313
Color	-	PIR foam: black/natural (yellowish)* Aluminum layer: black	-
Properties			
Service temperature range	°C	-170 to +105	-
PIR density	kg/m^3	80/120	-
PIR compression strength	MPa	0.65/1.2	-
Sheet metal load distribution load	-	No/yes*	-
Required spacing	m	3	-
Design load	N	20.3	-
Corrosion resistance	-	yes	-
Sound insulation	dB	24.1	EN ISO 10846-4
Thermal conductivity	W/Km	0.30/0.034*	-
Fire properties			
Fire rating PIR	-	E	EN 13501-1
Product	-	E B2	EN 13501-1 DIN 4142

*Depending on size, for details ask the manufacturer

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Availability

ThermaMount Marine 4.0 pipe supports - product height is 85, 100 or 105 mm in cardboard boxes.

thickness [mm]	13	19	25	30	32	38	45	50
ID [mm]		item code						
10	3706-013010-011	3706-019010-011	3706-025010-011	3706-030010-011	3706-032010-011	3706-038010-011	3706-045010-011	3706-050010-011
12	3706-013012-011	3706-019012-011	3706-025012-011	3706-030012-011	3706-032012-011	3706-038012-011	3706-045012-011	3706-050012-011
15	3706-013015-011	3706-019015-011	3706-025015-011	3706-030015-011	3706-032015-011	3706-038015-011	3706-045015-011	3706-050015-011
17	3706-013017-011	3706-019017-011	3706-025017-011	3706-030017-011	3706-032017-011	3706-038017-011	3706-045017-011	3706-050017-011
18	3706-013018-011	3706-019018-011	3706-025018-011	3706-030018-011	3706-032018-011	3706-038018-011	3706-045018-011	3706-050018-011
21	3706-013021-011	3706-019021-011	3706-025021-011	3706-030021-011	3706-032021-011	3706-038021-011	3706-045021-011	3706-050021-011
22	3706-013022-011	3706-019022-011	3706-025022-011	3706-030022-011	3706-032022-011	3706-038022-011	3706-045022-011	3706-050022-011
27	3706-013027-011	3706-019027-011	3706-025027-011	3706-030027-011	3706-032027-011	3706-038027-011	3706-045027-011	3706-050027-011
28	3706-013028-011	3706-019028-011	3706-025028-011	3706-030028-011	3706-032028-011	3706-038028-011	3706-045028-011	3706-050028-011
34	3706-013034-011	3706-019034-011	3706-025034-011	3706-030034-011	3706-032034-011	3706-038034-011	3706-045034-011	3706-050034-011
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50	3706-013050-011	3706-019050-011	3706-025050-011	3706-030050-011	3706-032050-011	3706-038050-011	3706-045050-011	3706-050050-011
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89	3706-013089-011	3706-019089-011	3706-025089-011	3706-030089-011	3706-032089-011	3706-038089-011	3706-045089-011	3706-050089-011
102	3706-013102-011	3706-019102-011	3706-025102-011	3706-030102-011	3706-032102-011	3706-038102-011	3706-045102-011	3706-050102-011
108	3706-013108-011	3706-019108-011	3706-025108-011	3706-030108-011	3706-032108-011	3706-038108-011	3706-045108-011	3706-050108-011
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140	3706-013140-011	3706-019140-011	3706-025140-011	3706-030140-011	3706-032140-011	3706-038140-011	3706-045140-011	3706-050140-011
168	3706-013168-011	3706-019168-011	3706-025168-011	3706-030168-011	3706-032168-011	3706-038168-011	3706-045168-011	3706-050168-011
219		3706-019219-011	3706-025219-011	3706-030219-011	3706-032219-011	3706-038219-011	3706-045219-011	3706-050219-011
273		3706-019273-011	3706-025273-011	3706-030273-011	3706-032273-011	3706-038273-011	3706-045273-011	3706-050273-011
324		3706-019324-011	3706-025324-011	3706-030324-011	3706-032324-011	3706-038324-011	3706-045324-011	3706-050324-011

Remarks:
Standard PIR of density 80 kg/m^3 is in black color.
Natural/yellowish PIR of 120 kg/m^3 density for item codes: 3706-019219-011, 3709-019273-011, 3706-019324-011, 3706-025219-011, 3706-025273-011, 3706-025324-011, 3706-030219-011, 3706-030273-011, 3706-030324-011, 3706-032219-011, 3706-032273-011, 3706-032324-011, 3706-038219-011, 3706-038273-011, 3706-038324-011, 3706-045219-011, 3706-045273-011, 3706-045324-011, 3706-050219-011, 3706-050273-011, 3706-050324-011.

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