

MypoTHERM® Caoutchouc

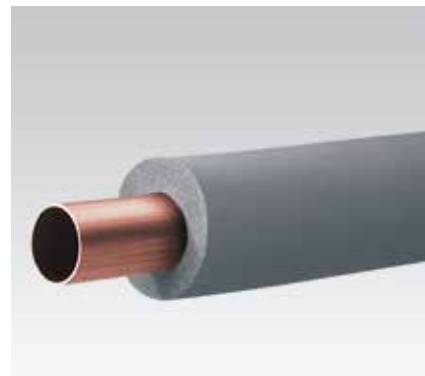
Field of application

- For insulating pipes in heating systems

Advantages

- Meets the requirements of the energy saving decree (EnEV) and DIN 1988, part 2 and 7
- Material possesses enormous flexibility and form stability
- Easy to work because of its smooth inner surface, especially in pipe bends and heavily twisted pipes

- Closed-cell structure prevents the absorption of condensate, oil and other aggressive fluids
- Good vibration damping properties prevent transmission of structure borne vibration and reduce flow and pressure noises in the pipe
- Smooth and robust outer skin ensures a long working life
- With general approval from the building inspectorate



Features



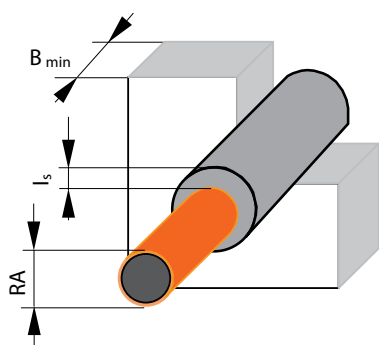
Material	Closed-cell insulation material on a synthetic rubber basis
Colour	grey
Temperature range	to +110 °C
Thermal conductivity	Insulation thickness ≤ 13 mm: $\lambda = 0,035$ W/mK at +40 °C, Insulation thickness $13 \leq 25$ mm: $\lambda = 0,031$ W/mK at -20 °C, $\lambda = 0,033$ W/mK at 0 °C, $\lambda = 0,035$ W/mK at +20 °C, $\lambda = 0,037$ W/mK at +40 °C, Insulation thickness > 25 mm: $\lambda = 0,034$ W/mK at -20 °C, $\lambda = 0,036$ W/mK at 0 °C, $\lambda = 0,038$ W/mK at +20 °C, $\lambda = 0,040$ W/mK at +40 °C
Building material class	B-S ₃ -d ₀ acc. to EN 13501-1

	Insulation thickness [mm]	Acc. to EnEV 2009	Nominal size [inch]	For pipe outer diameter [mm]	Part no.	Sales unit	Pack unit	Contents [m/carton]
MypoTHERM® Caoutchouc for copper, steel and boiler pipes as well as for pipes made of plastic, composite materials and stainless steel 2-metre-long tubular sections	9	Table 1 Appendix 5 Line 7	1	32–35	112458	1	carton	80
			1¼	40–42	112500			70
	10		¼	12–15	167657			150
			⅜	16–18	167658			130
			½	20–22	167659			100
			¾	25–28	167660			80
	13	50 %	¼	12–15	112251			112
			⅜	16–18	112287			108
			½	20–22	112341			84
			¾	25–28 Fe	112400			72
	20		1	32–35 Fe	112325			32
	25–27		1¼	40–42 Fe	112448			28
		1½	45–48 Fe	112518	24			
		100 %	¼	12–15	112263			40
			⅜	16–18	112301			
			½	20–22	112354			36
			¾	25–28 Fe	112404			32
	36–38	1	32–35	112452	16			
1¼		40–42	112494	12				

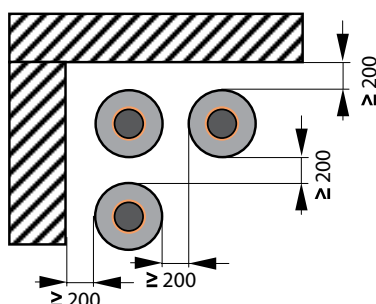
Fe: Classification according to EnEV only valid for steel pipes.

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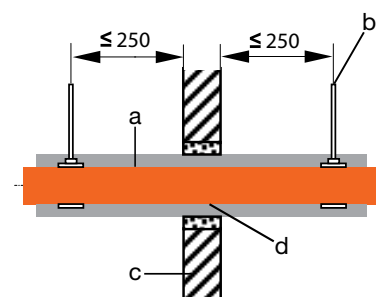
Part no.	Wall thickness B _{min} [mm]	Fire resistance duration acc. to DIN 4102-11 for copper pipes	Fire resistance duration acc. to DIN 4102-11 for steel pipes	Ceiling thickness B _{min} [mm]	Fire resistance duration acc. to DIN 4102-11 for copper pipes	Fire resistance duration acc. to DIN 4102-11 for steel pipes
112458	≥ 150	R60	R120	≥ 150	R120	R120
112500					R90	R90
167657					R120	R120
167658						
167659						
167660						
112251						
112287						
112341						
112400						
112325						
112448					R90	
112518					R120	
112263						
112301						
112354						
112404						
112452						
112494						



Insulation of entire pipe using
MypoTHERM® Caoutchouc



Installation situation for the group
arrangement of pipes



- a) Pipes of steel, stainless steel, copper or cast iron
- b) Pipe clamp with DÄMMGULAST® lining fastened on a threaded rod and metal plug
- c) Walls made of masonry, concrete, reinforced concrete or porous concrete slabs, ceilings of concrete, reinforced concrete or porous concrete
- d) Complete sealing with mortar of mortar groups 2, 2a or 3