İZOCAMFLEX - S

It is an elastomeric rubber based insulation material in the form of pipe with closed cell structure. It is manufactured to be used for heating and cooling systems.

Application

It is used at the exterior surfaces of the ducts in the heating, cooling, ventilating and air conditioning systems for thermal insulation and condensation control purposes. The pipe to be insulated and the rubber surface should fit properly and no gap should be left in between. Joints should be tightly sealed. The application should be protected against distruption and rupture. For the applications exposed to sun, a protective coat or a protective paint should be used against UV effect. For the outdoor applications, the surface should be coated within 5 days.

Inner Diameter	Copper Pipe	Steel Pipe	Package (m/box)			
mm	inch	inch	Thickness (mm)			
			6	9	13	19
6	1/4"		608	356	210	
8	5/16"		504	308	190	
10	3/8"	1/8"	408	260	168	96
12	1/2"		350	230	156	92
15	5/8"	1/4"	282	194	132	80
18	3/4"	3/8"	232	166	116	72
20			214			
22	7/8"	1/2"	186	136	96	62
25	1"		160	120	86	56
28	1 1/8"	3/4"	136	104	78	52
35	1 3/8"	1"	98	80	60	42
42	1 5/8"	1 1/4"	86	64	50	36
48		1 1/2"		52	42	32
54	2 1/8"			44	36	28
60	2 3/8"	2"		38	32	24
64	2 1/2"			38	28	24
70	2 5/8"			30	28	20
76	3"	2 1/2"		26	22	18
80	3 1/8"			24	20	16
89	3 1/2"	3"		20	18	14
102		3 1/2"		16	12	12
108	4 1/4"			16	12	12
114	4 1/2"	4"		16	12	10

- Thermal insulation
- Condensation control
- CFC free
- Environment friendly
- Highly flexible

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TECHNICAL DATA SHEET

İzocamflex - S

Properties	Symbol	Unit	Description						Tolerance		Standard
Material	-	-	Closed Cell Synthetic Rubber						-		TS EN 14303
Length	l	mm	$20000 \leq L \leq 50000$ *						± 1,5 %		TS EN 822
Inner Diameter	$D_{i,D}$	mm	≤ 100						$D_{i,D} + 1 \leq D_i \leq D_{i,D} + 4$		TS EN 13467
			> 100						$D_{i,D} + 1 \leq D_i \leq D_{i,D} + 6$		
Thickness	t	mm	$6 \leq d \leq 32$						$d_D \leq 8$	±1,0	TS EN 823
									$8 < d_D \leq 18$	±1,5	
									$18 < d_D \leq 31$	±2,5	
									$d_D > 32$	±3,0	
Reaction to fire	-	-	B_L-s2,d0						-		TS EN 13501-1
Declared Thermal Conductivity	T	°C	-20	0	20	40	60	80	-		TS EN 12667
	λ_D	W/m.K	0,034	0,036	0,038	0,040	0,043	0,045			
Max. Service Temperature	-	°C	-50 / 110						-		-
Water Vapor Diffusion Resistance Factor	μ	-	≥ 5000						-		TS EN 12086
UV Resistance	-	-	Good						-		-
Resistance to Oils	-	-	Good						-		-
Resistance to Weather Conditions	-	-	Good						-		-
Flexibility	-	-	Excellent						-		-
Fungal Growth	-	-	None						-		-
Packaging Material	-	-	Carton Box						-		-

*   Standard length is 2000 mm.

Safety Reminders for Loading, Unloading, Shipping and Storing
- These operations should be done indoors in case of rainy weather conditions.
- Loading and unloading should be done by (at least) two people.
- The products should be wrapped by a waterproof cover during shipping.
- Boxes should be carried by their handles.
- When the boxes piled in the truck body are being tied up hard padding (wood, cardboard, etc.) should be put on the corners of the packages to protect them against possible damages by ropes.
- The corners should be aligned when the boxes are superposed.
- Only backshutter of the truck body should be opened during unloading.
- Storing should be done indoors and the boxes should be put over flat floor.
- Maximum 5 boxes should be superposed.
- Boxes should not be put into upright position.
- Boxes should not be stepped on and should not be used as steps.
- Products should not be unloaded by pushing or throwing from the truck.
- The truck should not be moved without wrapping and binding the packages.
- The products should not be exposed to sun.
- Storage area should not be wet.

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