

ISOPIPE[®] TC

INSULATION PRODUCTS



INTERNATIONAL
INNOVATIVE
INSULATION S.A.

ISOPIPE, closed-cell elastomeric insulation, has been developed in accordance to the need for worldwide energy conservation, and with consideration to the installers and technicians. ISOPIPE is the ideal solution for the insulation of dual-temperature systems, hot or cold applications. Isopipe TC offers the most effective insulation for pipes at the lowest initial cost, thus maximising the saving of energy.

SAVING THROUGH PROPER FIT!



ISOPIPE insulation ensures PROPER FIT. Isopipe insulation ensures the perfect fit by offering min and maximum tolerances of internal diameter, for all the sizes, allowing easy application and effective insulation.



PERFECT ✓



POOR ✗

PACKING & TOLERANCE LIST

EXTERNAL PIPE DIAMETER			INTERNAL DIAMETER Min - Max	THICKNESS & DIMENSION OF RUBBER INSULATION							
Fe Inch	Cu mm	Cu Inch		6mm - 1/4"		9mm - 3/8"		13mm - 1/2"		19mm - 3/4"	
			Φ	m/Crtm	Φ	m/Crtm	Φ	m/Crtm	Φ	m/Crtm	
---	Φ6	1/4"	7,0 - 8,0	6x6	420	9x6	270	---	---	---	---
---	Φ8	5/16"	9,0 - 10,0	6x8	320	9x8	250	---	---	---	---
---	Φ10	3/8"	11,0 - 12,0	6x10	290	9x10	190	13x10	130	19x10	80
---	Φ12	---	13,0 - 14,0	6x12	250	9x12	170	13x12	120	19x12	70
---	Φ13	1/2"	14,0 - 15,0	6x13	250	9x13	170	13x13	120	19x13	---
---	Φ14	---	15,0 - 16,0	6x14	200	9x14	140	13x14	100	19x14	---
1/4"	Φ15	---	16,0 - 17,0	6x15	200	9x15	140	13x15	100	19x15	60
---	Φ16	5/8"	17,0 - 18,0	6x16	200	9x16	140	13x16	100	19x16	60
3/8"	Φ18	---	19,0 - 20,0	6x18	180	9x18	130	13x18	90	19x18	60
---	Φ19	3/4"	20,0 - 21,0	6x19	180	9x19	130	13x19	90	---	---
WICU - TALOS (16x1)			21,0 - 22,0	6x20	150	9x20	110	13x20	80	---	---
1/2"	Φ22	7/8"	23,0 - 24,0	6x22	130	9x22	100	13x22	70	19x22	44
---	Φ25	1"	26,0 - 27,0	6x25	100	9x25	80	13x25	60	19x25	40
3/4"	Φ28	1 1/8"	29,0 - 30,0	6x28	100	9x28	80	13x28	60	19x28	40
---	Φ30	---	31,0 - 32,0	6x30	80	9x30	60	13x30	44	---	---
---	Φ32	1 1/4"	33,0 - 34,0	6x32	80	9x32	60	13x32	44	---	---
1"	Φ35	1 3/8"	36,0 - 37,0	6x35	80	9x35	60	13x35	44	19x35	30
---	Φ38	1 1/2"	39,0 - 40,0	6x38	60	9x38	50	13x38	36	---	---
1 1/4"	Φ42	1 5/8"	43,0 - 44,0	6x42	60	9x42	50	13x42	36	19x42	28
---	Φ45	1 3/4"	46,0 - 47,0	---	---	9x45	40	13x45	30	---	---
1 1/2"	Φ48	1 7/8"	49,0 - 50,0	---	---	9x48	40	13x48	30	19x48	22
---	Φ54	2 1/8"	55,0 - 56,0	---	---	9x54	36	13x54	26	19x54	20
---	Φ57	2 1/4"	58,0 - 59,0	---	---	9x57	32	13x57	26	---	---
2"	Φ60	2 3/8"	61,0 - 62,0	---	---	9x60	32	13x60	24	19x60	16
---	Φ64	2 1/2"	65,0 - 66,0	---	---	9x64	32	13x64	22	19x64	16
---	Φ67	2 5/8"	68,0 - 70,0	---	---	9x67	32	13x67	22	19x67	14
---	Φ70	2 3/4"	71,0 - 73,0	---	---	9x70	24	13x70	22	---	---
2 1/2"	Φ76	3"	77,0 - 79,0	---	---	9x76	20	13x76	20	19x76	14
---	Φ80	3 1/8"	81,0 - 83,0	---	---	9x80	18	13x80	14	19x80	12
3"	Φ89	3 9/16"	90,0 - 92,0	---	---	9x88	18	13x88	16	19x88	12
---	Φ101	4"	103,0 - 105,0	---	---	9x101	14	13x101	12	19x101	8
3 1/2"	Φ108	4 1/4"	110,0 - 112,0	---	---	9x108	16	13x108	10	19x108	8
4"	Φ114	4 9/16"	116,0 - 118,0	---	---	9x114	12	13x114	10	19x114	8
5"	Φ139	5 1/2"	141,0 - 143,0	---	---	9x139	10	13x139	8	19x139	6
Tolerance thickness				± 1,0mm		± 1,5mm		± 1,5mm		± 2,5mm	

- Standard length 2 meters (± 1,5 %), up to 5% of total carton content may be in 1 meter length
- Standard carton size (210 x 47 x 21) cm • Packing capacities are subject to alterations

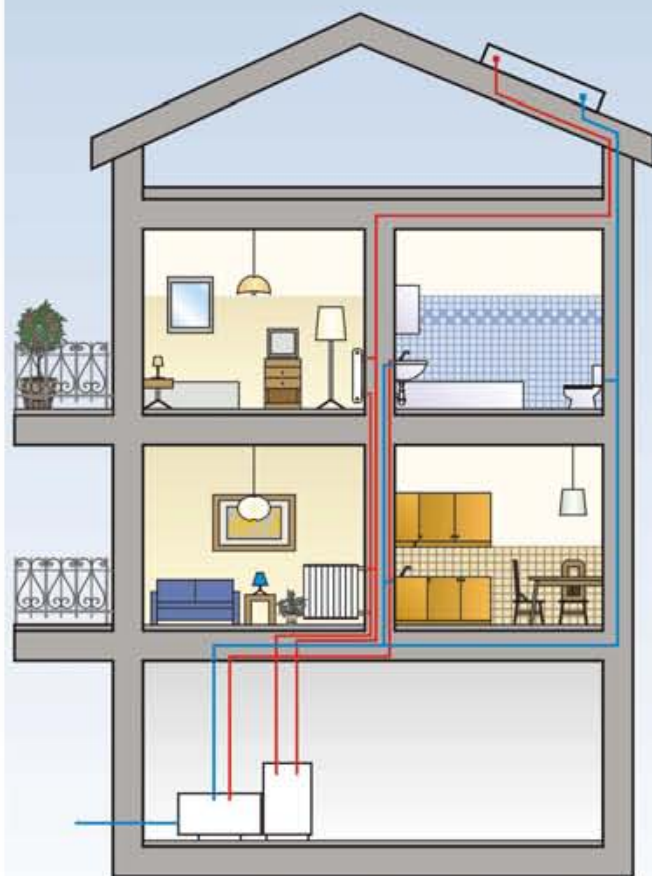
Items in italic should be consulted for availability and delivery time







Tolerances (perfect fit)	External pipe diameter	Internal insulation diameter
The ideal allowed tolerances of insulation above the external diameter of the pipe	Φ 6 - Φ 64	+ 1,0mm - 2,0mm
	Φ 67 - Φ 89	+ 1,0mm - 3,0mm
	Φ 101 - Φ 139	+ 2,0mm - 4,0mm

All purpose (Hot/cold) insulation solution for pipe-works

ISOPIPE insulation when used in either Residential or Commercial use can

- Reduce heat loss or heat gain more than 80%
- Control surface temperature for personal protection
- Protect and prolong lifetime of piping, against freezing, corrosion etc
- Prevent condensation on surface
- Increase operation efficiency of heating/ventilation/cooling, plumbing, steam, process and power systems.



Physical Properties	Technical Data
Operating temperatures 	ISOPIPE electrometric material are characterised as thermoset. Brief temperature spikes above recommended use will not result in failure Min. Temperature -40 °C Max. temperature +105 °C
Density 	ISOPIPE insulation, produced to give a structure of 100-120 cells/cm ² and a density that will achieve the optimum combination one can get by rubber insulation (60 – 75) Kgr/m ³
Thermal conductivity (λ) 	ISOPIPE significantly reduces the heat transfer through the insulation, as air (closed cells) & electrometric material are poor conductors of heat at 0 °C 0.035 W/(m*K) at +20 °C 0.037 W/(m*K)
Permeability (μ) <i>Steam diffusion resistance</i> 	ISOPIPE, inherent structure & material, offers a very high resistance to water vapor transmission, ensuring the long term performance & effectiveness of the insulation ≥4000
Fire rating 	ISOPIPE, will not support fire, will not drip flaming particles, will not spread flame. It provides a safe insulation particularly for residential & public buildings Class 0: BS 476 (UK) B2: DIN 4102 (Germany) MI: NFP 92501
Flexibility / elasticity 	ISOPIPE has exceptional flexibility and elasticity, allowing for easy and fast application, and effective insulation with excellent tear resistance Tensile strength: 0.32 MPa Elongation at break: 203 % Tear resistance: 1.59 KN/m
Noise Reduction (Acoustic)	up to 32DB
Resistance to weather	Good
Color Odour	Black & neutral

CFC Free

The written figures are these that have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special usage.

Accessories



ISOGLUE



ISOFINISH



ISOTAPE



ISOPIPE

Certificates

Certificates of quality, awards & conformity to a series of Independent worldwide Institutes.



3i INTERNATIONAL
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