



Hualiflex pipe aluminum facing



Product Introduction

Huali rubber plastic foam introduced foreign advanced technology and processing, automated production lines, with excellent nitrile rubber, polyvinyl chloride as the main raw materials and other high quality accessories, made by foaming flexible insulation materials. The aluminum foil is laminated on the surface to increase the strength and fireproof performance, to avoid the foam explosion under the environment, improve the rubber foam tear-resistant, shock resistance, etc.

Application

Suitable for medium temperature between -50 to 105 ° C in the fields of pipeline and equipment, such as central air conditioning system pipe and air duct, refrigeration and heating equipment, hot water piping and process piping insulation engineering, etc.

Product Performance

- Excellent fire resistance
- Closed structure, resistant to water vapor penetration
- No fiber, no dust, no formaldehyde, low volatile concentration of organic compounds
- Obvious energy saving effect
- Easy and quick installation
- Low thermal conductivity, excellent water vapor permeability ensure the material has a long service life, can prevent condensation, reduce energy consumption

Technical Data

Item	Unit	Data
Service temperature	°C	-50~85
Thermal conductivity	W/mk	-20°C 0.032 0°C 0.034 37°C 0.039
Wet resistance factor Moisture permeability coefficient		$U \geq 10,000$ $\leq 2.8 \times 10^{-11} \text{g}/(\text{m} \cdot \text{s} \cdot \text{pa})$
Vacuum water absorption	%	≤ 10
Fireproof performance Flame surface propagation Combustion status		Class 0 / B1 Grade 1 No droplet
Apparent density	kg/m ³	40-80
Dimensional stability at 105 ° C, 7 days	%	≤ 10
Compression rate 50%, 72 hours	%	$\geq 70\%$
Aging resistance, 150 hours		Slight wrinkle, no crack, no pinhole, no deformation

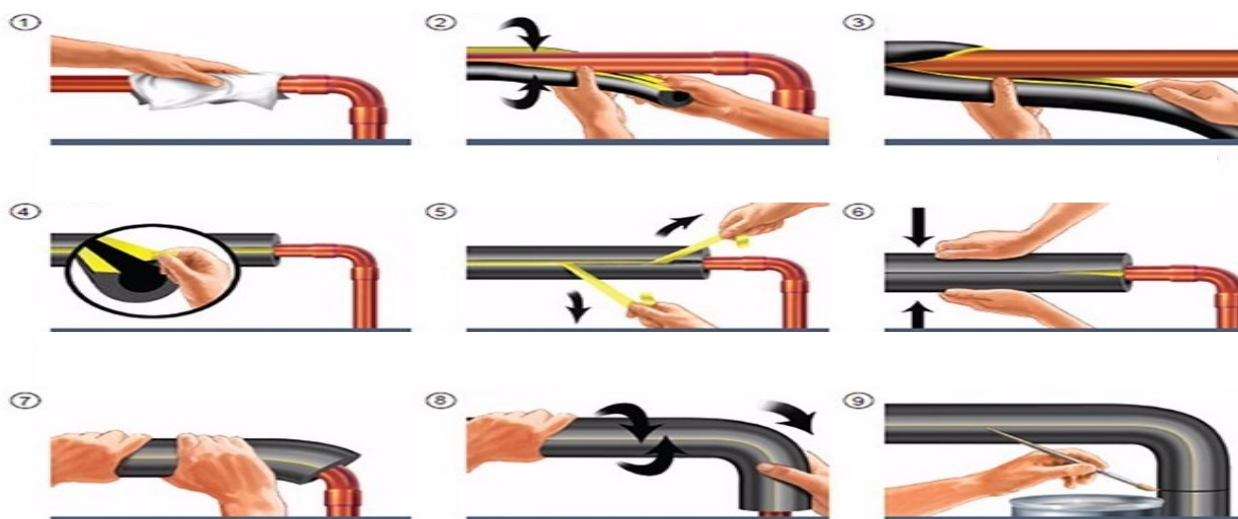
Product Specification

Copper pipe OD	Seamless pipe OD	Gal. Pipe OD	Hualiflex pipe ID	9mm (1.8m/pc)	15mm (2m/pc)	20mm (2m/pc)	25mm (2m/pc)	30mm (2m/pc)
inch	mm	mm	mm	mm	mm	mm	mm	mm
1/4			6	6x9	6x15			
3/8		6	10	10x9	10x15	10x20		
1/2			13	13x9	13x15	13x20		
5/8	14	8	16	16x9	16x15	16x20		
3/4			19	19x9	19x15	19x20		
7/8	22	15	22	22x9	22x15	22x20	22x25	22x30
1	25		25	25x9	25x15	25x20	25x25	25x30
1-1/8	28	20	28	28x9	28x15	28x20	28x25	28x30
1-1/4	32		32	32x9				
1-1/4	32		34	34x9	34x15	34x20	34x25	34x30
1-3/8		25	35	35x9				
1-1/2			38	38x9				
1-5/8		25	42	42x9				
1-5/8		32	43	43x9	43x15	43x20	43x25	43x30
1-7/8		40	48	48x9	48x15	48x20	48x25	48x30
2-1/8			54	54x9				
2-3/8		50	60	60x9	60x15	60x20	60x25	60x30
	76	70	76	76x9	76x15	76x20	76x25	76x30
	89	80	89	89x9		89x20	89x25	89x30
	108		108	108x9		108x20	108x25	108x30

Note:

1. Above size is the common specification, if customized, please contact us
2. Insulation thickness is above 25mm, recommend multi layers.
3. Pipeline diameter is equal or above 114mm, recommend Hualiflex sheet
4. Aluminum foil facing can be customized by the client.

Installation Reference



Environment condition		Insulation pipe size		Recommend thickness (mm)			
Temp	Relative humidity	inch	mm	13°C	7°C	3°C	-15°C
26.5°C	50%	3/8-3	10-76	10	10	10	15
		3-5	76-127	15	15	15	25
		5-10	127-254	15	15	15	20
29°C	70%	3/8-3	10-76	10	15	15	20
		3-5	76-127	15	15	15	20
32°C	80%	5-10	127-254	15	15	15	25
		3/8-5	10-127	15	15	20	20
		5-10	127-254	20	25	25	35
32°C	85%	3/8-1 1/2	10-38	20	25	30	45
		1 1/2-3	38-76	20	30	30	50
		3-5	76-127	20	30	35	60
		5-10	127-254	25	30	40	60
		>10	>254	30	40	45	70
32°C	90%	1/8-1/2	3-13	25	32	35	45
		1/2-2 1/2	13-64	30	35	45	60
		1 1/2-5	64-127	30	35	45	65
		5-10	127-254	35	45	50	75
		>10	>254	35	50	60	75

