Fiberglass and Cotton Duct Insulation

For use in commercial and industrial heating, air conditioning, and power and process equipment applications.

DUCT INSULATION – FROST KING

- Temp. range: 35° to 150°F (cotton), 35° to 250°F (fiberglass)
- 16"W x 48"L" (cotton), 12"W x 15 ft. L (fiberglass)

Easy-to-install insulation helps insulate, reduce vibration, and can be installed on air conditioning or heating ducts. Foil jacket. 48H491 is a natural cotton insulation made from recycled denim and and meets ASTM E408. 48H490 meets NFPA 90A, NFPA 90B, and ASTM C1136 Type II.

DUCT INSULATION BOARD – JOHNS MANVILLE

- Temp. range: -32° to 450°F (unfaced side), -32° to 150°F (faced side)

For systems that operate below ambient temperatures and where a vapor barrier is required. Insulation has square corners for a finished appearance on duct and equipment systems. Cuts easily with a utility knife and can be secured with mechanical fasteners or adhesive. Meets ASTM C612, Type IA; C612 Type IB; C553 Type III, HH-I-558C, HH-I-558B; E-84; C795; C1136. Mil. Spec. I-24244C. NFPA255. NRC 1.36. UL Listed.

DUCT INSULATION WRAP – JOHNS MANVILLE

- Temp. range: -32° to 250°F
- 48"W x 25"L

For HVAC systems that operate below ambient temperatures, and where temperature control and a vapor barrier are required. Insulation comes with a vapor barrier and a 2" stapling tab. Meets ASTM C411, C553, C665, C1104, C1136s, C1290, C1338, E84; NFPA 90A; UL, C-UL Listed.

HIGH TEMPERATURE INSULATION – ITW

- Temp. range: -297° to 297°F
- 24"W x 48"L

Lightweight, moisture-resistant polyisocyanurate material has excellent thermal performance. Insulation features low moisture vapor permeability and good compressive strength. Density: 2#. Meets ASTM D1622, C518, E96, E84 at 1", D2126 Dimensional Stability.

Thickness	Density	Approx. R Value	Duct Insulation Material	Jacket Material: Foil Item No.	Jacket Material: All Service Jacket Item No.	Jacket Material: Foil Scrim Kraft Item No.
Duct Insulation, Frost King						
1 in		4	Cotton	48H491	—	—
2 in		6	Fiberglass	48H490	—	—
Duct Insulation Board, Johns Manville						
1 in	3 lb	4.3	Fiberglass	—	6ZKK8	6ZKK5
1 ½ in	3 lb	6.5		—	6ZKK9	6ZKK6
1 in	6 lb	4.5		—	6ZKL4	6ZKL1
1 ½ in	6 lb	6.8		—	6ZKL5	6ZKL2
2 in	3 lb	8.7		—	6ZKL0	6ZKK7
2 in	6 lb	9.1		—	6ZKL6	6ZKL3
Duct Insulation Wrap, Johns Manville						
1 ½ in	0.75 lb	4.2	Fiberglass	—	—	6ZKK3

Thickness	Approx. R Value	Facing	Item No.
High Temperature Insulation, ITW			
1 in	5.3	Plain	19NE86
1 ½ in	7.9		19NE87
1 in	5.3	FSK	19NE91
1 ½ in	7.9		19NE92
1 in	5.3	ASJ	19NE96
1 ½ in	7.9		19NE97
2 in	10.5	Plain	19NE88
		FSK	19NE93
		ASJ	19NE98
3 in	15.8	Plain	19NE89
		FSK	19NE94
		ASJ	19NE99
4 in	21.1	Plain	19NE90
		FSK	19NE95
		ASJ	19NF01

Pipe, Hose, and Valve Insulation

Insulated Throw Blankets and Pipe Jackets— Can reduce heat loss and insulate barrels, dies, extruders, hoses, and pipe. Removable and is reusable. Insulated Throw Blankets require a strap and buckle 34CY92, 34CY91, or 34CY90, sold separately below.

Accessories—34CY92, 34CY91, and 34CY90 are durable fiberglass straps for installing insulated throw blankets. Feature steel roller buckles for easy adjustment and help ensure a secure fit. 34DA19 and 34DA20 allow you to measure high-temperature surfaces and are ideal for use when installing insulation.

Ceramic Fiber Blankets—Aluminum silicate fiber material is ideal for insulating pipes that transport high-temp. materials. Include hold-in-place straps on the inside and feature a top flap you can open to release heat if needed. Meet UL 723.

- Max. temp.: 2300°F, except 34DA14 is 2600°F

Valve Insulation—Reusable valve covers feature dual-layer mineral wool and fiberglass insulation, plus a durable silicone-coated fiberglass cloth jacket. Included adjustable draw cord and lacing anchors for a tight secure fit.

- Max. temp.: 900°F
- 3" thickness

Flange and Valve Insulation—Reusable insulation covers help reduce heat loss and energy costs. Silicone-coated fiberglass material is suitable for a variety of flange and valve sizes.

- Max. temp.: 900°F

Ceramic Fiber Insulation—Aluminum silicate fiber material is ideal for insulating pipes that transport high-temp. materials. Meet UL 723.

- Max. temp.: 2300°F, except 54TP62 is 2400°F

L	W	Thickness	Temp. Rating	Item No.
Insulated Throw Blankets				
12 in	12 in	1 in	2000 °F	34CZ03
	36 in	1 in	2000 °F	48ZX05
24 in	12 in	1 in	2000 °F	34CZ02
	24 in	1 in	2000 °F	34CY98
	36 in	1 in	2000 °F	48ZX08
36 in	12 in	1 in	2000 °F	34CZ01
	24 in	1 in	2000 °F	34CY97
	36 in	1 in	2000 °F	34CY95
	36 in	1 in	2000 °F	48ZX10
48 in	12 in	1 in	2000 °F	34CY99
	24 in	1 in	2000 °F	34CY96
	36 in	1 in	2000 °F	34CY94
	48 in	1 in	2000 °F	34CY93
Insulated Pipe Jackets				
12 in	18 in	3 in	200 °F	48ZX52
	24 in	3 in	900 °F	48ZY10
	2 in	1 in	2000 °F	34CZ04
	4 in	1 in	2000 °F	34CZ05
	5 in	1 in	2000 °F	34CZ06
	6 in	1 in	2000 °F	34CZ07
13 in	8 in	1 in	2000 °F	34CZ08
	10 in	1 in	2000 °F	34CZ09
	12 in	1 in	2000 °F	34CZ10
	14 in	1 in	2000 °F	34CZ11
	16 in	1 in	2000 °F	34CZ12
18 in	18 in	3 in	200 °F	48ZX56
	24 in	3 in	900 °F	48ZY14
19 in	2 in	1 in	2000 °F	34CZ13
	4 in	1 in	2000 °F	34CZ14
	5 in	1 in	2000 °F	34CZ15
	6 in	1 in	2000 °F	34CZ16
	8 in	1 in	2000 °F	34CZ17
	10 in	1 in	2000 °F	34CZ18
	12 in	1 in	2000 °F	34CZ19
	14 in	1 in	2000 °F	34CZ20
	16 in	1 in	2000 °F	34CZ21
24 in	18 in	3 in	200 °F	48ZX60
	2 in	1 in	2000 °F	34CZ22
	4 in	1 in	2000 °F	34CZ23
	5 in	1 in	2000 °F	34CZ24
	6 in	1 in	2000 °F	34CZ25
25 in	8 in	1 in	2000 °F	34CZ26
	10 in	1 in	2000 °F	34CZ27
	12 in	1 in	2000 °F	34CZ28
	14 in	1 in	2000 °F	34CZ29
	16 in	1 in	2000 °F	34CZ30
30 in	18 in	3 in	200 °F	48ZX64
	24 in	3 in	900 °F	48ZY18

34CZ04

L	W	Thickness	Temp. Rating	Item No.
31 in	2 in	1 in	2000 °F	34CZ31
	4 in	1 in	2000 °F	34CZ32
	5 in	1 in	2000 °F	34CZ33
	6 in	1 in	2000 °F	34CZ34
	8 in	1 in	2000 °F	34CZ35
	10 in	1 in	2000 °F	34CZ36
	12 in	1 in	2000 °F	34CZ37
	14 in	1 in	2000 °F	34CZ38
	16 in	1 in	2000 °F	34CZ39
38 in	2 in	1 in	2000 °F	34CZ40
	4 in	1 in	2000 °F	34CZ41
	5 in	1 in	2000 °F	34CZ42
	6 in	1 in	2000 °F	34CZ43
	8 in	1 in	2000 °F	34CZ44
	10 in	1 in	2000 °F	34CZ45
	12 in	1 in	2000 °F	34CZ46
	14 in	1 in	2000 °F	34CZ47
	16 in	1 in	2000 °F	34CZ48
43 in	2 in	1 in	2000 °F	34CZ49
	4 in	1 in	2000 °F	34CZ50
	5 in	1 in	2000 °F	34CZ51
	6 in	1 in	2000 °F	34CZ52
	8 in	1 in	2000 °F	34CZ53
	10 in	1 in	2000 °F	34CZ54
	12 in	1 in	2000 °F	34CZ55
	14 in	1 in	2000 °F	34CZ56
	16 in	1 in	2000 °F	34CZ57
48 in	18 in	3 in	200 °F	48ZX76
	2 in	1 in	2000 °F	34CZ58
	4 in	1 in	2000 °F	34CZ59
	5 in	1 in	2000 °F	34CZ60
	6 in	1 in	2000 °F	34CZ61
50 in	8 in	1 in	2000 °F	34CZ62
	10 in	1 in	2000 °F	34CZ63
	12 in	1 in	2000 °F	34CZ64
	14 in	1 in	2000 °F	34CZ65
	16 in	1 in	2000 °F	34CZ66

L	W	Thickness	Temp. Rating	Item No.
56 in	2 in	1 in	2000 °F	34CZ67
	4 in	1 in	2000 °F	34CZ68
	5 in	1 in	2000 °F	34CZ69
	6 in	1 in	2000 °F	34CZ70
	8 in	1 in	2000 °F	34CZ71
	10 in	1 in	2000 °F	34CZ72
	12 in	1 in	2000 °F	34CZ73
	14 in	1 in	2000 °F	34CZ74
	16 in	1 in	2000 °F	34CZ75
60 in	18 in	3 in	200 °F	48ZX80
63 in	2 in	1 in	2000 °F	34CZ76
	4 in	1 in	2000 °F	34CZ77
	5 in	1 in	2000 °F	34CZ78
	6 in	1 in	2000 °F	34CZ79
	8 in	1 in	2000 °F	34CZ80
	10 in	1 in	2000 °F	34CZ81
	12 in	1 in	2000 °F	34CZ82
	14 in	1 in	2000 °F	34CZ83
	16 in	1 in	2000 °F	34CZ84
68 in	2 in	1 in	2000 °F	34CZ85
	4 in	1 in	2000 °F	34CZ86
	5 in	1 in	2000 °F	34CZ87
	6 in	1 in	2000 °F	34CZ88
	8 in	1 in	2000 °F	34CZ89
	10 in	1 in	2000 °F	34CZ90
	12 in	1 in	2000 °F	34CZ91
	14 in	1 in	2000 °F	34CZ92
	16 in	1 in	2000 °F	34CZ93

34DA15

34CZ94

Description	For Use With/Function	Item No.
Accessories		
Straps with Buckles, 24 inLx 1 inW	Insulation Throw Blankets	34CY92
Straps with Buckles, 36 inLx 1 inW	Insulation Throw Blankets	34CY91
Straps with Buckles, 48 inLx 1 inW	Insulation Throw Blankets	34CY90
Colloidal Silica Rigidizer	Ceramic Fibers	34DA15
Tape Measure	Measuring Applications with Very High Surface Temperature	34DA19
Magnetic Tip Tape Measure	Includes Magnets, Used with Very High Surface Temperature Metals	34DA20
Lacing Set	Hook Needed to Lace Jacket Shut	23AR70
Lacing Wire	Wire Used to Lace Through Hooks	23AR71
C Rings	Clamps Through Insulation Jacket to Keep Contents Inside	23AR73

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