



**Value Engineered Products**  
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# Chill-Shield

## Zero Perm Vapor Barrier



### DIMENSIONS

	5/8" Tube To 1-1/2 pipe"	2-1/8" Tube To 3-1/8" Tube	3" Pipe	4-1/8" Tube	4" Pipe	5-1/8" Tube	5" Pipe	6-1/8" Tube	6" & 8" Pipe 8-1/8" Tube	10" to 24" Pipe
<b>Insulation Length</b>	6"	6"	6"	6"	6"	6"	6"	9"	9"	Call Sales
<b>Shield Length</b>	4"	4"	4"	4"	4"	4"	4"	6"	6"	
<b>Shield Gauge</b>	22 ga.	20 ga.	20 ga.	20 ga.	20 ga.	20 ga.	20 ga.	16 ga.	16 ga.	
<b>Compressive Strength</b>	24 PSI	24 PSI	40 PSI	24 PSI	40 PSI	24 PSI	40 PSI	24 PSI	40 PSI	

### ALLOWABLE LOADS - MSS RECOMMENDED SPANS\*

#### TUBE

	<u>Load/Span</u>	<u>Water Svc.</u>		<u>Load/Span</u>	<u>Water Svc.</u>		<u>Load/Span</u>	<u>Water Svc.</u>
<b>5/8" Tube</b>	16.4 # / 5 ft.*	#/ft - .51	<b>1-5/8" Tube</b>	42.5 # / 7 ft. *	#/ft - 1.91	<b>4-1/8" Tube</b>	108 # / 10 ft.	#/ft - 10.1
<b>7/8" Tube</b>	22.9 # / 5 ft.*	#/ft - .66	<b>2-1/8" Tube</b>	55.6# / 8 ft.*	#/ft - 3.1	<b>5-1/8" Tube</b>	134.2 # / 10 ft.	#/ft - 15.7
<b>1-1/8" Tube</b>	29.5 # / 6 ft.*	#/ft - 1.01	<b>2-5/8" Tube</b>	68.7# / 8 ft.*	#/ft - 4.6	<b>6-1/8" Tube</b>	240.5 # / 10 ft.	#/ft - 21.8
<b>1-3/8" Tube</b>	36 # / 7 ft.*	#/ft - 1.43	<b>3-1/8" Tube</b>	81.8 # / 9 ft.*	#/ft - 6.3	<b>8-1/8" Tube</b>	510.5 # / 10 ft.	#/ft - 39.5

#### PIPE

	<u>Load/Span</u>	<u>Water Svc.</u>		<u>Load/Span</u>	<u>Water Svc.</u>		<u>Load/Span</u>	<u>Water Svc.</u>	10" to 24"
<b>1/2"</b>	22 # / 7 ft.*	#/ft - .98	<b>1-1/2"</b>	49.7 # / 9 ft.*	#/ft - 3.6	<b>4"</b>	188.5 # / 10 ft.	#/ft - 16.3	Call Sales
<b>3/4"</b>	27.5 # / 7 ft.*	#/ft - 1.36	<b>2"</b>	62.2 # / 10 ft.	#/ft - 5.1	<b>5"</b>	233 # / 10 ft.	#/ft - 23.3	
<b>1"</b>	34.4# / 7 ft.*	#/ft - 2.1	<b>2-1/2"</b>	120.4 # / 10 ft.	#/ft - 7.9	<b>6"</b>	416.3 # / 10 ft.	#/ft - 31.5	
<b>1-1/4"</b>	43.5# / 7 ft.*	#/ft / 2.9	<b>3"</b>	146.6 # / 10 ft.	#/ft - 10.8	<b>8"</b>	542 # / 10 ft.	#/ft - 50.3	

\* Designates MSS Maximum Span

### MATERIAL SPECIFICATIONS

- Polyisocyanurate, 24 to 40 PSI Meeting ASTM C-203, C-518, C-585, C-795, D-1621, D-1622, D-1623, and E-84. Flame Spread/Smoke Developed - 25/450.
- Insert material on 10" pipe and larger will have compressive strength to match design requirements
- Zero Perm Vapor Barrier Jacket VentureClad 1577 CW. Meets ASTM E-96, UL 723 Flame Spread -10-. S,ple Developed -20-
- Non-Flamable, Water Based Adhesive Complying to NFPA 90-A.
- Galvanized Steel Shields, G-90 Small Check per ASTM A-653 (replaces A-527).
- 100% American-Made Components and Construction.
- Asbestos-Free Materials.

### Submitted For Approval Per:

Division: \_\_\_\_\_, Section: \_\_\_\_\_, Para: \_\_\_\_\_

Project: \_\_\_\_\_  
 Engineer: \_\_\_\_\_

### NOTES

Date: \_\_\_\_\_  
 Approved by: \_\_\_\_\_