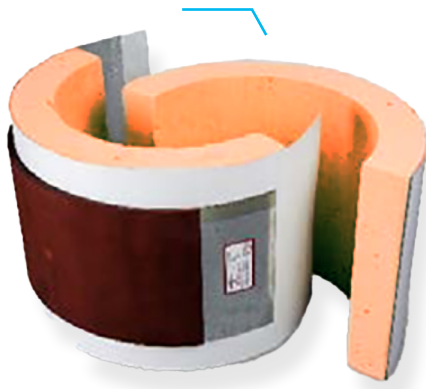


Urethane Max-Span R.H. Thermal Hanger Shield Fig. Urethane Max-Span R.H.



Description

The MaxSpan R.H. thermal hanger shield is specifically designed to provide a superior safety margin for pipe mounted on pipe rollers, flat surfaces or with supports where point loading may be a concern. These rugged units allow hanger spans up to the maximum allowed in Table 4 of the MSS SP-58. They are appropriate for systems an operating temperature range from -20°F to +225°F. The insulation and vapor barrier extend beyond the galvanized steel shield for a neat, vapor-tight joint with the adjoining insulation. Units for pipe 4" and larger include a wear/weight distribution plate of carbon steel (primer painted).

Unit for 10" pipe and larger incorporate a 10 pcf insert at bottom dead center.

The MaxSpan R.H. meets or exceeds the MSS standard for Type 40 Shields per MSS SP-58, Paragraph 7.6.5

Dimensions

	½" to 1½"	2" to 3"	4" to 8"	10" to 12"	14" to 24"
Insulation Length	9" 230 mm	9" 230 mm	9" 230 mm	12" 300 mm	12" 300 mm
Shield Length	6" 150 mm	6" 150 mm	6" 150 mm	8" 200 mm	10" 250 mm
Shield Gauge	18 ga. 1.3 mm	16 ga. 1.6 mm	18 ga. 1.3 mm	18 ga. 1.3 mm	18 ga. 1.3 mm
Plate Thickness / Length	N/A	N/A	⅛" X 6" 3.2 mm X 150 mm	¼" X 8" 6.35 mm X 200 mm	¼" X 10" 6.35 mm X 250 mm

Specifications

Applications:

- For indoor use on all roller hanger systems and flat surfaces (see WeatherShield Upgrade data page for outdoor applications).
- Chilled to steam piping and dual temperature lines.
- Hanger Spans per MSS SP-58 Table 4.
- Available for pipes ½" through 24 inches
- Insulation thickness ½" through 4 inches.

Materials/Construction:

- 100 PSI Calcium silicate meeting ASTM C-533 Type 1, C-585, C-795, E-84, Flame Spread-0-, Smoke Developed -0- .
- Adhesive complying with NFPA 90-A and ASTM E-84, Flame Spread - 10-, Smoke Developed - 0-.
- G-90 Galvanized steel shield, small check per ASTM A-653 (replaces A-527).
- Wear/Weight Distribution Plate - carbon steel meeting ASTM A-36.
- Vapor Barrier of all service jacket meeting ASTM D-774, D-828 and E-84.
- Structural insert (10" pipe and larger) of 900 PSI calcium silicate per ASTM C-656 Type II Grade 6.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Urethane Max-Span R.H. Thermal Hanger Shield Fig. Urethane Max-Span R.H.

Allowable Loads – Recommended Spans

	Roller	Flat Surface
3" Pipe	390 lbs. 12 ft. (3.7 m)	390 lbs. 12 ft. (3.7 m)
4" Pipe	405 lbs. 14 ft. (4.3 m)	405 lbs. 14 ft. (4.3 m)
6" Pipe	1015 lbs. 17 ft. (5.2 m)	1070 lbs. 17 ft. (5.2 m)
8" Pipe	1300 lbs. 19 ft. (5.8 m)	1400 lbs. 19 ft. (5.8 m)
10" Pipe	2150 lbs. 22 ft. (6.7 m)	2375 lbs. 22 ft. (6.7 m)
12" Pipe	2480 lbs. 23 ft. (7 m)	3550 lbs. 23 ft. (7 m)
14" Pipe	4770 lbs. 25 ft. (7.6 m)	4820 lbs. 25 ft. (7.6 m)
16" Pipe	5250 lbs. 27 ft. (8.2 m)	6000 lbs. 27 ft. (8.2 m)
18" Pipe	5725 lbs.	61000 lbs.
20" Pipe	6250 lbs.	6750 lbs.
24" Pipe	7250 lbs.	7850 lbs.

WeatherShield Upgrade Protection System For Outdoor Applications

Description / Features

WeatherShield modifications are appropriate for hostile environments or outdoor applications. For calcium silicate products, we utilize Johns Manville T-1200 water resistant calcium silicate formulated specifically to shed water. The Standard WeatherShield is constructed with the Ventureclad Smooth aluminum jacketing material laminated between the steel protection shield and the insulation material. WeatherShield modifications may be specified on any 360° product from VEP. WeatherShields must be installed as 360° units to maintain their integrity and weather resistance.

Construction / Installation Procedure

On large units, the bottom shield's weather barrier covers approximately 240° of the unit's circumference. The flaps overlap the top vapor barrier and are then attached with two strips of self-sealing tape, sealing it to the lower half of the unit. If a top metal shield is

required, it can be slid into place completing the unit. Insulation and jacketing extend beyond the steel protection shield for a neat, weather-tight connection with the adjoining insulation.

Standard weather barrier layer is smooth surface Ventureclad aluminum jacketing.

Pricing Policy

All WeatherShield upgrades will be quoted on a per job basis to a list of materials.