

CALCIUM SILICATE INSULATED iSHIELD

Product Description

Insulation Components Inc. Calcium Silicate Insulated iShields prevent pipe insulation crushing and maintain insulation integrity at pipe hanger locations.

- Used on mid to high temperature plumbing and HVAC piping.
- Commonly installed on lines such as: domestic hot water, chilled water, heating hot water, and steam.
- Provide a full 360 degrees of high density ASTM C533 Type 1 Calcium Silicate Insulation wrapped with ASJ (All Service Jacket).
- ASJ with SSL for quick and positive installation on piping.
- Available in standard lengths from 6" to 36" long to meet MSS SP-58 point load requirements for a wide range of hanger types and spans.



*Available with 180 or 360 degree galvanized shield

Installation

Installation shall occur in conjunction with the pipe hanger assembly, thus ensuring proper pipe elevation.

	Unit	ASTM Method	ASTM C533 -Type I	
Density	lb/ft ³	ASTM C302	15	13
Compressive Strength	lb/in ²	ASTM C165	100	220
Service Temperature	°F	ASTM C447	1200°	1200°
Thermal Conductivity - K Factor @ 100 °F	(Btu·in.)/ (hr·ft ² ·°F)	ASTM C335	0.344	0.310
Closed Cell	Minimum %	–	Passes	Passes
Water Absorption	% by Volume	ASTM C1617	Passes	Passes
Water Vapor	perm inch	–	Passes	Passes
Dimensional Stability	% lin chg	–	–	–
Flame Spread	Flame Spread	ASTM E84	0/0	0/0

NOMINAL PIPE SIZE	INSULATION LENGTH	iSHIELD LENGTH	iSHIELD GAUGE
½" - 2½"	6"	4"	20, 22
3" - 6"	6"	4"	16, 18, 20
8" - 10"	9"	6"	14, 16, 18

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