BUCKAROOS, INC.

PRODUCT DATA SHEET

1200ECM Insulated Saddles

360 Degree Calcium Silicate Insulated Saddle for Steam Service Piping

Description

The 1200ECM is the most economical Calcium Silicate insulated saddle on the market today. It is designed primarily for indoor use on hot service piping to 1200°F. It can be used outdoors if it is protected from the weather.

Guide Specifications

The Model 1200ECM (Extended Insulation) has the insulation extended beyond the saddle for easy application of a tape butt-strip. Always install the specified insulation thickness to insure system performance.

Features and Benefits

- Complete 360-degree composite assembly, for fast and easy installation.
- A 360-degree section of 14 PCF Calcium Silicate pipe insulation, for greater thermal efficiency at elevated temperatures.
- Zero perm industrial grade protective covering has 6 mils of thickness for superior condensation control. A premium self seal tape completes the closure of the system.
- Insulation is extended past the shield for a perfect union with the adjoining pipe insulation.
- A G-90, 180-degree Buckaroos bottom steel shield with centered short ribs for maximum insulation protection at hanger locations. (A 360-degree self-clamping shield is also available.)
- Each unit has a genuine "Quick-Inspect" sticker applied at the bottom of each saddle for easy jobsite engineer or inspector identification after application.
- Unique "Safe-Pack" packaging protects the insulated support during shipment to the jobsite.

Applications

The 1200ECM insulated saddle is ideal for use on plumbing, heating and hot piping to 1200°F. Because of the rigid nature of the Calcium Silicate insulation, it provides excellent compressive strength and good thermal values.

Note: Even when using a vapor barrier, Calcium Silicate should not be used on cold application

Technical Data

Physical Property	Value/Unit	Specification Compliance
Insulation Density	14.0 Lbs./Cu. Ft.	ASTM C-302
Thermal Conductivity		
@ 200°F mean	.39 BTU in./hr. ft./sq. °F	ASTM C-335
@ 400°F mean	.49 BTU in./hr. ft./sq. °F	ASTM C-335
@ 600°F mean	.59 BTU in./hr. ft./sq. °F	ASTM C-335
Service Temperature	300°F to 1200°F	Manufacturer Design Limits
Compressive Resistance	100 P.S.I. @ 5% deformation	ASTM C-165
Shrinkage, Max %	<2.0%	ASTM C-356
Insulation Surface Burning Characteristics	Flame Spread – 0 / Smoke Spread - 0	ASTM E84
Zero Perm Vapor Retarder:		
Thickness Average (w/o liner)	6 Mils	Manufacturer Specification
Perm Rating	.00	ASTM E-96, Procedure A
Saddle, Galvanized Carbon Steel	Hot Dipped G-90	ASTM A-653 (Replaces A527)
Thickness, range	22 gauge - 12 gauge	ASTM A-653 (Replaces A527)

Product Dimensions

Nominal Pipe Size	Insulation Length	Saddle Length	Saddle Gauge
½" – 1 ½"	6"	4"	22 Ga.
2" – 5"	6"	4"	20 Ga.
6" – 10"	9"	6"	16 Ga.
12" – 14"	12"	9"	16 Ga.

(Replaces previous Tru-balance version-rev 11/2015)