

# ACS THERMAL PAD



## TECHNICAL DATA SHEET

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### DESCRIPTION

The ACS THERMAL PAD is a high-density polyisocyanurate thermal insulation pad. It is composed of a closed-cell core structure placed between two polymer coated glass fibre facings.

The pad is utilized as a component of the ACS THERMAL CLIP: **ACS A-Clip®** | **ACS S-Clip®** | **ACS U-Clip®**

### PROPERTIES

The ACS THERMAL PAD meets the requirements of ASTM C 1289, Type II, Class 4, Grade 1 and CAN/ULC S704.1 Type 4, Class 3.

Properties	Standards	Performance
Thermal Resistance RSI (R-Value) / 12.7mm [1/2"] @ 24°C [75°F]	ASTM C 518	0.44 RSI (R-2.5)
Compressive Strength	ASTM D 1621	693 kPa (100 psi)
Density	ASTM D 1622	68kg/m <sup>3</sup> (4.2lb/pi <sup>3</sup> )
Linear Dimensional Stability	ASTM D 2126	< 0.5% linear change
Water Absorption	ASTM C 209	< 3%
Flame Spread <sup>1</sup>	ASTM E 84	40 - 60
Tensile Strength	ASTM D 1623	> 35kPA (> 730 lb/ft <sup>2</sup> )
Mold Growth Resistance	ASTM D 3273	Pass

<sup>1</sup> Results determined in accordance with the ASTM E 84 Standard are not intended to indicate the hazards generated by this material, nor any other, in real fire conditions. All values are nominal.

### PACKAGING

Specifications	ACS Thermal Pad	
Dimensions	Thickness	12.7mm [1/2"]
	Width/Length	38.1mm x 101.6mm [1 1/2" x 4"]
Surface	Polymer coated glass fibres	

### INSTALLATION

Adhere the ACS THERMAL PAD to the **ACS A-Clip®**, **ACS S-Clip®** or **ACS U-Clip™** using the adhesive tape provided.

### STORAGE AND HANDLING

To ensure performance of the adhesive tape, it is recommended that storage temperatures remain at: -30°C to 40°C  
[-22°F to 104°F]