

ACS THERMAL PAD



TECHNICAL DATA SHEET

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 ³ (4.2lb/pi ³)
Linear Dimensional Stability	ASTM D 2126	< 0.5% linear change
Water Absorption	ASTM C 209	< 3%
Flame Spread ¹	ASTM E 84	40 - 60
Tensile Strength	ASTM D 1623	> 35kPa (> 730 lb/ft ²)
Mold Growth Resistance	ASTM D 3273	Pass

¹Results 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]