



**NEMO|etc.**

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ENGINEER

TEST

CONSULT

ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CUSTOMER:	<a href="#">Tremco CPG, Inc.</a>	TEST DATES:	2023-12-27, 2020-06-11, 2017-03-10, 2016-03-28
DOCUMENT NO.	TRM-PARS-4.3	PUBLICATION DATE:	2026-01-14
TEST PANEL NO.	TRM-D9+TRM-D1+TRM-9+SMN-D11	REVISION NO.	0
NEMO TYPE:	B-1	REEVALUATION DATE:	2029-01-14

**PARTIALLY ADHERED ROOFING SYSTEM (PARS) SUMMARY**

**ROOFING SYSTEM SUMMARY:**

NEMO Type:	B-1; Mechanically Fixed Insulation, Bonded Coverboard; Bonded Roof Cover
Membrane:	Polyester reinforced, thermoplastic single-ply, adhesive-applied
Coverboard:	High-density polyisocyanurate board, adhesive-applied
Insulation (top):	(Optional) Mineral-wool board, adhesive-applied
Insulation (mid):	(Optional) Polyisocyanurate foam insulation board, adhesive-applied
Insulation (base):	Polyisocyanurate foam insulation board, topmost layer mechanically fixed
Vapor Barrier:	Any approved type, loose-laid, adhered or mechanically fixed
Thermal Barrier:	(Optional) Any approved type, loose-laid, adhered or mechanically fixed
Deck:	Steel

**DYNAMIC UPLIFT RESISTANCE PER CSA A123.21:**

Sustained Test Value		Design Value CSA A123.21:20 (Test Value x 0.65)		Design Value CSA A123.21:14 (Test Value ÷ 1.5)	
kPa	psf	kPa	psf	kPa	psf
-5,0	-105	-3,3	-68	-3,4	-70

**PRODUCTS / APPLICATION:**

Membrane:	Description:	Membrane composed of polyester reinforcement coated with proprietary thermoplastic compound.			
	Application:	Adhesive-applied			
	Eligible Products:	<b>Membrane</b>	<b>Adhesive</b>		<b>Rate</b>
		TremPly KEE	TremPly KEE LV Bonding Adhesive		contact application, 0.5 gal/square per surface
		TremPly KEE FB	POWERply Endure BIO Adhesive TF		wet-lay, 2.0 to 3.0 gal/square
			Tremco LR Adhesive		wet-lay, ribbons max. 6-inch o.c.
TremPly KEE FB Bonding Adhesive			wet-lay, 1.0 gal/square		
TremPly KEE FB WB II Bonding Adhesive			wet-lay, 0.85 to 1.0 gal/square		
Tremco PSF Adhesive		wet-lay, spatter-applied			
Coverboard:	Description:	High-density polyisocyanurate board			
	Application:	Adhesive-applied			
	Eligible Products:	<b>By</b>	<b>Product</b>		<b>Thickness</b>
Atlas Roofing		ACFoam HD CoverBoard		12.7-mm (0.5-inch)	

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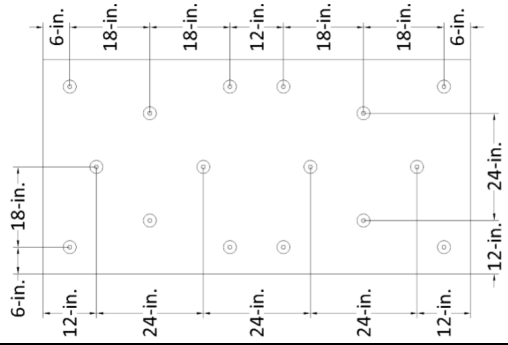
PRODUCTS / APPLICATION:				
Coverboard Adhesive:	Description:	Polyurethane based insulation adhesive		
	Application Rate:	Continuous ribbons, 152-mm (6-inch) on-center		
	Eligible Products:	<b>By</b>	<b>Product</b>	
		Tremco:	Tremco Low Rise Foam Insulation Adhesive or Tremco Low Rise Foam Insulation Adhesive (BG)	
H.B. Fuller Company:	Millennium One Step Foamable Adhesive or Millennium PG-1 Pump Grade Adhesive			
Insulation (top): <i>(Optional)</i>	Description:	Unfaced mineral-wool board		
	Application:	Adhesive-applied		
	Eligible Products:	<b>By</b>	<b>Product</b>	<b>Thickness</b>
		ROCKWOOL:	MonoBoard	Min. 25.4-mm (1-inch)
TopRock DD		Min. 50.8-mm (2-inch)		
Insulation (top) Adhesive:	Description:	Polyurethane based insulation adhesive		
	Application Rate:	Continuous ribbons, 152-mm (6-inch) on-center		
	Eligible Products:	<b>By</b>	<b>Product</b>	
		Tremco:	Tremco Low Rise Foam Insulation Adhesive or Tremco Low Rise Foam Insulation Adhesive (BG)	
H.B. Fuller Company:	Millennium One Step Foamable Adhesive or Millennium PG-1 Pump Grade Adhesive			
Insulation (mid): <i>(Optional)</i>	Description:	Polyisocyanurate foam insulation board laminated on both sides with fiber reinforced felt or coated glass facer		
	Dimensions:	Max. 1.2 x 1.2-m x min. 25.4-mm (Max. 4 x 4 ft x min. 1-inch)		
	Application:	One or more layers, adhesive-applied		
	Eligible Products:	<b>By</b>	<b>Product</b>	
Tremco:		Trisotech G or Trisotech CGF		
Atlas Roofing:	ACFoam II or ACFoam III			
Insulation (mid) Adhesive:	Description:	Polyurethane based insulation adhesives, hot asphalt or polymer-modified hot asphalt		
	Application Rate:	Continuous ribbons, 305-mm (12-inch) on-center		
	Eligible Products:	<b>By</b>	<b>Product</b>	
		Tremco:	Tremco Low Rise Foam Insulation Adhesive or Tremco Low Rise Foam Insulation Adhesive (BG)	
H.B. Fuller Company:	Millennium One Step Foamable Adhesive or Millennium PG-1 Pump Grade Adhesive			
Insulation (base):	Description:	Polyisocyanurate foam insulation board laminated on both sides with fiber reinforced felt or coated glass facer		
	Dimensions:	Min. 1.2 x 1.2-m Base layer(s): any thickness Topmost layer: Min. 50.8-mm (2-inch)		
	Application:	One or more layers, optional base layer(s) loose-laid followed by topmost layer mechanically fixed		
	Eligible Products:	<b>By</b>	<b>Product</b>	
Tremco:		Trisotech G or Trisotech CGF		
Atlas Roofing:	ACFoam II or ACFoam III			

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PRODUCTS / APPLICATION:			
Insulation (base) Fasteners:	Description:	Corrosion resistant screw-type roofing fasteners with steel stress plates with proprietary coating designed to receive induction-welded membrane	
	Fastening Method:	Fasteners installed through stress plates to engage the deck	
	Fastener Density:	1 per 2.0 ft <sup>2</sup> (16 parts per 4x8 ft board or 8 parts per 4x4 ft board)	
	Eligible Products:	<b>By</b>	<b>Product</b>
		Tremco:	Tremco #15 EHD with Tremco 3" Metal Insulation Plate
		Altenloh, Brink & Co US	Trufast #15 EHD" with Trufast 3" Metal Insulation Plate
Vapour Barrier:	Description:	Min. 6-mil polyethylene or other vapor barrier	
	Application:	Loose-laid, adhered or mechanically-attached	
	Eligible Products:	Any approved product acceptable to Tremco and the Authority Having Jurisdiction	
Thermal Barrier: (Optional)	Description:	Cement-based, gypsum-based or mineral-wool board	
	Application:	Loose-laid, adhered or mechanically-attached	
	Eligible Products:	Any approved product acceptable to Tremco and the Authority Having Jurisdiction	
Deck:	As-Tested:	Steel roof deck	



NOTES:				
Test Value and Design Value:	<p>The Test Value noted herein reflects the ultimate passing test pressure recorded during testing. The Design Value herein reflects the Test Value multiplied by a resistance factor of 0.65 (same as Test Value divided by a safety factor of 1.5)</p> <p>The Design Value should meet or exceed the design pressure requirements of the project, as determined in accordance with the current National Building Code of Canada (NBC) requirements.</p>			
Equivalence of Other Products:	This report applies only to the products listed as Eligible Products herein.			
Optional Components:	Components listed herein as optional may be removed from the roof system design with no adverse effect on system dynamic wind uplift performance.			
As-Tested Deck:	Testing utilized 22 ga., Type B (6-inch deck module) steel deck meeting ASTM A653, A792, A1008 or CSSBI 10M standard and having a yield strength of 275 MPa (40-ksi). Alternate deck displaying equivalent strength and fastener-holding capacity (withdrawal resistance) may be specified at the discretion of the Designer of Record to the satisfaction of the Authority Having Jurisdiction.			
Fastener Point-Loads:	<b>Point-Load</b>			
	<b>Sustained Test Value</b>		<b>Design Value</b>	
	<b>N</b>	<b>lbf</b>	<b>N</b>	<b>lbf</b>
	934	210	607	137

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Page 4 of 4

**RSAR SCOPE**

**Roof System Assessment Reports (RSAR)** constitute a summary of allowable products and interfaces used in low-slope roof assemblies based testing in accordance with CSA A123.21 at our ISO/IEC 17025 accredited laboratory.

While RSAR's are reviewed and renewed each 3-years based primarily on report holder declaration, these are not Certification listings, and are not intended to state or imply ongoing quality control / surveillance activities by NEMO at the report holder's facilities.

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**NEMO ETC CREDENTIALS**

TYPE	ENTITY	REFERENCE
ISO/IEC 17025 Accreditation	International Accreditation Service (IAS)	<a href="#">TL-689</a>
TAS 301 Certification	Miami-Dade	<a href="#">21-0409.01</a>
Third Party Test Data Program	UL, LLC	<a href="#">DA2862</a>
Test Lab Listing	Roofing Contractors Association of British Columbia	<a href="#">RCABC Labs</a>

**REPORT HISTORY**

DATE	EVENT	NOTES	AUTHORIZED BY:
2026-01-13	DRAFT	For customer review; Per customer request dated 2026-01-06.	RN

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**END OF REPORT**