



**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:	2021-07-09, 2025-06-30 (by others)
DOCUMENT NO.	TRM-PARS-5.1	PUBLICATION DATE:	2025-08-12
TEST PANEL NO.	TRM-D7+1 (by others)	REVISION NO.	0
SYSTEM TYPE:	B-1	REEVALUATION DATE:	2028-08-12

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

**ROOFING SYSTEM SUMMARY:**

Roof Cover:	Thermoplastic, bareback or fleece backed single ply, adhesive applied
Coverboard:	Gypsum-based board, adhesive-applied
Insulation (mid):	(Optional) Polyisocyanurate foam board, adhesive-applied
Insulation (base):	Polyisocyanurate foam board, mechanically attached
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
-3,2	-66	-2,1	-43	-2,1	-44

**PRODUCTS / APPLICATION:**

Roof Cover:	Description:	Membrane composed of polyester reinforcement coated with proprietary thermoplastic compound, with or without a fleece backing			
	Application:	Fully-adhered (see adhesive options below)			
	Eligible Products:	<b>TPA</b>	<b>TPA FB</b>	<b>TremPly KEE</b>	<b>TremPly KEE FB</b>
		TPA Bonding Adhesive, contact application, 0.83 gal/square per surface	TPA Bonding Adhesive, wet-lay, 1.0 gal/square	Tremply KEE LV Bonding Adhesive, contact application, 0.5 gal/square per surface	Tremply KEE FB Bonding Adhesive, wet-lay, 1.0 gal/square
		TPA LV Single Ply Bonding Adhesive, contact application, 0.83 gal/square per surface	Tremco Fleece Backed WB Single Ply Bonding Adhesive, wet-lay, 1.0 gal/square		Tremply KEE FB WB II Bonding Adhesive, wet-lay, 0.85 to 1.0 gal/square (to DensDeck Prime only)
			Tremco LR Adhesive, spatter-applied, 4 lbs/square		Tremco LR Adhesive, spatter-applied, 4 lbs/square
	POWERply Endure BIO Adhesive TF, wet-lay, 2.0 to 3.0 gal/square		POWERply Endure BIO Adhesive TF, wet-lay, 2.0 to 3.0 gal/square		
			hot asphalt or THERMastic 80, wet-lay, 25 lbs/square		

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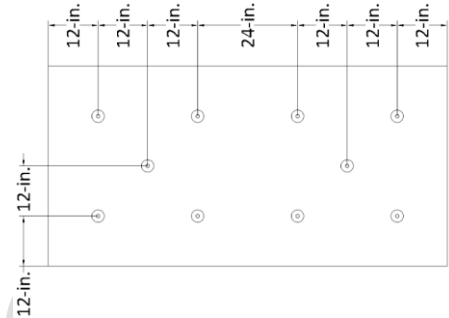
PRODUCTS / APPLICATION:				
Coverboard:	Description:	Gypsum-based board		
	Application:	Adhesive-applied		
	Eligible Products:	<b>By</b>	<b>Product</b>	<b>Thickness</b>
		Georgia-Pacific Gypsum	DensDeck Prime or DensDeck StormX Prime	
United States Gypsum	SECUROCK Gypsum-Fiber Roof Board	Min. 6.3-mm (0.25-inch)		
Coverboard Adhesive:	Description:	Polyurethane based insulation adhesive		
	Application Rate:	Continuous ribbons, 305-mm (12-inch) on-center		
	Eligible Products:	<b>By</b>	<b>Product</b>	
		Tremco CPG	Low Rise Foam Insulation Adhesive or Low Rise Foam Insulation Adhesive (BG)	
HB Fuller Company	Millennium One Step Foamable Adhesive or Millennium PG-1 Pump Grade Adhesive			
Insulation, mid layer(s): (Optional)	Description:	Polyisocyanurate foam board laminated on both sides with fiber reinforced felt or coated fiberglass facer		
	Application:	One or more layer(s), adhesive-applied		
	Eligible Products:	<b>By</b>	<b>Product</b>	<b>Dimensions</b>
		Tremco CPG	Trisotech, Trisotech G or Trisotech CGF	
		Atlas Roofing	ACFoam II or ACFoam III	
Johns Manville	ENRGY 3	Max. 1.2 x 1.2-m (4 x 4 ft) x min. 25-mm (1-inch) thick		
Insulation, mid layer, Adhesive:	Description:	Polyurethane based insulation adhesive		
	Application Rate:	Continuous ribbons, 305-mm (12-inch) on-center		
	Eligible Products:	<b>By</b>	<b>Product</b>	
		Tremco CPG	Low Rise Foam Insulation Adhesive or Low Rise Foam Insulation Adhesive (BG)	
HB Fuller Company	Millennium One Step Foamable Adhesive or Millennium PG-1 Pump Grade Adhesive			
Insulation, base layer:	Description:	Polyisocyanurate foam board laminated on both sides with fiber reinforced felt or coated fiberglass facer		
	Dimensions:	Min. 1.2 x 2.4-m (4 x 8 ft) or 1.2 x 1.2-m (4 x 4 ft) x thickness noted below		
	Application:	Optional base layer(s) loose laid, top layer mechanically fixed		
	Eligible Products:	<b>By</b>	<b>Products</b>	<b>Min. Top Layer Thickness</b>
		Tremco CPG	Trisotech, Trisotech G or Trisotech CGF	
Atlas Roofing		ACFoam II or ACFoam III		
Johns Manville	ENRGY 3	50.8-mm (2-inch)		

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PRODUCTS / APPLICATION:				
Insulation Fasteners:	Description:	Corrosion resistant screw-type roofing fasteners with steel stress plates		
	Fastening Method:	Fasteners installed through stress plates to engage the top flanges of the steel deck		
	Fastener Density:	1 per 3.2 ft <sup>2</sup> (10 parts per 4x8 ft board or 5 parts per 4x4 ft board)		
	Eligible Products:	<b>By</b>	<b>Product</b>	
		Tremco CPG	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:	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, or divided by a safety factor of 1.5. 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.			
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) and plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category, CDX. 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>
	939	211	611	137

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**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.

NEMO ETC, LLC is not, in any way, the Designer of Record for any project on which these RSAR's, or previous versions thereof, is/was used for permitting or design guidance. RSAR's are not to be construed as representing any attributes not specifically listed, nor to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO ETC, LLC, express or implied, as to any finding or other matter in these RSAR's, or as to any product covered by the RSAR's.

**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:
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2025-07-14	DRAFT 1	For customer review	RN
2025-08-12	FINAL	After customer review	RN

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**END OF REPORT**