



**ROOF SYSTEM ASSESSMENT REPORT
 DYNAMIC UPLIFT RESISTANCE PER CSA A123.21**

CLIENT:	Tremco CPG, Inc.	TEST DATE:	2017-03-10
DOCUMENT NO.	TRM-PARS-1.1	PUBLICATION DATE:	2024-03-29
TEST PANEL NO.	TRM-D1	REVISION NO.	1
SYSTEM TYPE:	B-1	REEVALUATION DATE:	2027-03-29

PARTIALLY ADHERED ROOFING SYSTEM (PARS) SUMMARY

PERFORMANCE ⇨	PASSING PRESSURE	WIND UPLIFT RESISTANCE (RESISTANCE FACTOR 0.65)
		113 psf (5.4 kPa)

COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
SURFACING ⇨	(Optional) Any Tremco hot-applied or cold-applied flood coat and gravel or aggregate stone*, or Tremco roof coating approved for use with the cap ply membrane, applied in accordance with Tremco requirements. *Refer to local Building Code for limitations concerning use of gravel surfacing.	
CAP PLY ⇨	POWERply Endure 300 Smooth, POWERply Endure 320 Smooth, POWERply Standard Smooth, POWERply Endure 100 Smooth, POWERply Heavy Duty Base, POWERply 2PM, POWERply Endure 200 Smooth, POWERply Endure 300 FR, POWERply Endure 320 FR, POWERply Standard, POWERply Standard FR, POWERply Endure 100 FR, POWERply 3GR or POWERply Endure 200 FR	POWERply Ensure BIO Adhesive TF at 2.0 gal/sq.
PLY ⇨	(Optional) One or more plies BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Composite Ply HT Green, POWERply Endure 300 Smooth, POWERply Endure 320 Smooth, POWERply Standard Smooth, POWERply Endure 100 Smooth, POWERply Heavy Duty Base, POWERply 2PM or POWERply Endure 200 Smooth	POWERply Ensure BIO Adhesive TF at 2.0 gal/sq.
BASE PLY ⇨	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Composite Ply HT Green, POWERply Endure 300 Smooth, POWERply Endure 320 Smooth, POWERply Standard Smooth, POWERply Endure 100 Smooth, POWERply Heavy Duty Base, POWERply 2PM or POWERply Endure 200 Smooth	POWERply Ensure BIO Adhesive TF at 2.0 gal/sq.

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COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
COVERBOARD ⇨	Min. 0.125-inch Tremboard AC, min. 0.25-inch G-P Gypsum “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board” or min. 0.5-inch Building Products of Canada “BP ESGARD High Density Roof Insulator, coated with asphalt on 6-sides”	Tremco Low Rise Foam Insulation Adhesive or Low Rise Foam Insulation Adhesive (BG) or HB Fuller “Millennium One Step Foamable Adhesive” or “Millennium PG-1 Pump Grade Adhesive”, continuous ribbons, 6-inch o.c. or THERMastic 80, THERMastic 100 or hot asphalt at 25-30 lbs/sq.
INSULATION, MID LAYER(S) ⇨	(Optional) One or more layer(s), min. 1-inch Trisotech, Trisotech G, Trisotech CGF, Atlas Roofing “ACFoam II” or “ACFoam III” or Johns Manville “ENRGY 3”	Tremco Low Rise Foam Insulation Adhesive or Low Rise Foam Insulation Adhesive (BG) or HB Fuller “Millennium One Step Foamable Adhesive” or “Millennium PG-1 Pump Grade Adhesive”, continuous ribbons, 12-inch o.c. or THERMastic 80, THERMastic 100 or hot asphalt at 25-30 lbs/sq.
INSULATION, BASE LAYER ⇨	One or more layer(s), top layer min. 2-inch thick, Trisotech G, Trisotech CGF or Atlas Roofing “ACFoam II” or “ACFoam III”	<p>Topmost layer mechanically attached: Tremco #15 EHD with Tremco 3” Metal Insulation Plate or Altenloh “Trufast #15 EHD” with “Trufast 3” Metal Insulation Plate”</p> <p>1 per 2.0 ft² (16 parts per 4x8 ft board or 8 parts per 4x4 ft board)</p>
VAPOUR BARRIER ⇨	(Optional) Min. 6-mil polyethylene or other vapor barrier	Loose-laid, adhered or mechanically-attached
THERMAL BARRIER ⇨	(Optional) Any type or thickness acceptable to the Authority Having Jurisdiction	Loose-laid, adhered or mechanically-attached
DECK ⇨	Minimum 22 ga. type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 275 MPa (40 ksi), or alternate steel deck providing the fastener withdrawal resistance noted below.	
INSULATION FASTENER POINT-LOAD ⇨	225 lbf (1001 N)	

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NEMO ETC CREDENTIALS

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

REPORT HISTORY

DATE	EVENT	NOTES	AUTHORIZED BY:
2023-10-26	DRAFT 1	New RSAR specific to use of POWERply Endure BIO Adhesive TF	RN
2023-10-31	FINAL	After customer review	RN
2024-03-29	REV3	3-year renewal after reexamination	RN

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END OF REPORT