



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

CLIENT:	Tremco CPG, Inc.	TEST DATE:	2023-12-29
DOCUMENT NO.	TRM-MARS-1	PUBLICATION DATE:	2024-05-16
TEST PANEL NO.	TRM-D10	REVISION NO.	0
SYSTEM TYPE:	D-2	REEVALUATION DATE:	2027-05-16

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY

PERFORMANCE ⇨	PASSING PRESSURE	WIND UPLIFT RESISTANCE (RESISTANCE FACTOR 0.65)
		80 psf (3.8 kPa)

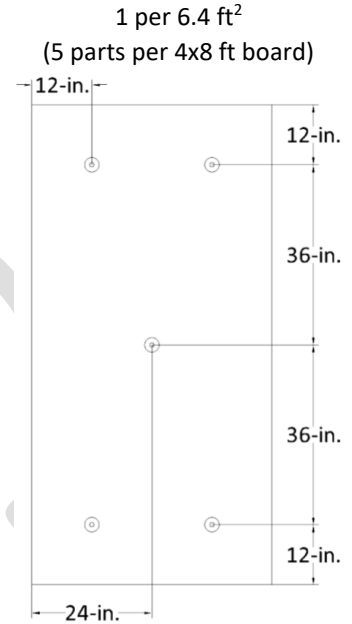
COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
SURFACING ⇨	(Optional) Any Tremco hot-applied or cold-applied flood coat and gravel or aggregate stone*, or Tremco roof coating approved for use with the cap ply membrane, applied in accordance with Tremco requirements. *Refer to local Building Code for 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.
BASE 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 SHEET ⇨	POWERply Heavy Duty Base Sheet	mechanically attached; Tremco #15 EHD with Tremco 2.4" Barbed Seam Plates or Trufast #15 EHD with TRUFAST 2.4" Barbed Metal Seam Plates, 6-in. o.c. within the 5-inch wide side laps. Laps sealed with Tremco LF Adhesive at 75 lineal ft / gal.

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

CLIENT:	Tremco CPG, Inc.	PUBLICATION DATE:	2024-05-16
DOCUMENT NO.	TRM-MARS-1	REVISION NO.	0
TEST PANEL NO.	TRM-D10	REEVALUATION DATE:	2027-05-16



COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
COVERBOARD ⇨	(Optional) Min. 0.125-inch Tremboard AC, min. 0.25-inch G-P Gypsum “DensDeck Prime”, National Gypsum “DEXcell FA Glass Mat Roof Board” or USG “SECUROCK Gypsum-Fiber Roof Board” or min. 0.5-inch Atlas Roofing “ACFoam HD CoverBoard”	Topmost layer mechanically attached: Tremco #14 HD or Tremco #15 EHD with Tremco 3” Metal Insulation Plate or Altenloh “Trufast #14 HD” or “Trufast #15 EHD” with “Trufast 3” Metal Insulation Plate
INSULATION, BASE LAYER ⇨	One or more layer(s), top layer min. 1.5-inch thick, Trisotech, Trisotech G, Trisotech CGF, Atlas Roofing “ACFoam II” or “ACFoam III” or Johns Manville “ENRGY 3”	
VAPOUR BARRIER ⇨	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 ⇨	Min. 22 ga., type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 40 ksi (275 MPa), or alternate steel decking providing the withdrawal resistance noted below.	
INSULATION FASTENER POINT-LOAD ⇨	512 lbf (2277 N)	
BASE SHEET FASTENER POINT-LOAD ⇨	103 lbf (458 N)	



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

CLIENT:	Tremco CPG, Inc.	PUBLICATION DATE:	2024-05-16
DOCUMENT NO.	TRM-MARS-1	REVISION NO.	0
TEST PANEL NO.	TRM-D10	REEVALUATION DATE:	2027-05-16



Page 3 of 3

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)	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:
2024-03-29	DRAFT 1	For customer review	RN
2024-05-16	FINAL	After customer review	RN

This report and the data contained therein is the sole property of NEMO|etc. and the named client. This report shall not be reproduced outside NEMO|etc. except by the named client without written permission by the named client, in which case the report shall be reproduced in its entirety.

END OF REPORT