



ENGINEER

EVALUATE

TEST

CONSULT

ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CLIENT:	TREMCO CPG, INC.	TEST DATE:	2019-02-15
DOCUMENT NO.	TRM-AARS-1.1	PUBLICATION DATE:	2023-03-20
TEST PANEL NO.	TRM-D4	REVISION NO.	0
SYSTEM TYPE:	A-1	REEVALUATION DATE:	2026-03-19

ADHESIVE APPLIED ROOFING SYSTEM (AARS) SUMMARY		
PERFORMANCE⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (WITH SF OF 1.5)
	131 psf (6.3 kPa)	88 psf (4.2 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.	
CAP PLY ⇒	"THERMglass Type IV", "THERMglass Premium VI", "BURmastic Composite Ply HT", "BURmastic Composite Ply Premium", "BURmastic Composite Ply HT Green", "BURmastic Composite Ply Premium Green", "POWERply Premium Smooth", "POWERply 300 Smooth", "POWERply Endure 300 Smooth", "POWERply Endure 320 Smooth", "POWERply 300 FR", "POWERply Endure 300 FR", "POWERply Endure 320 FR", "POWERply Premium FR", "POWERply Standard", "POWERply Standard FR", "POWERply Endure 100 FR", "POWERply Standard FR GT24W", "POWERply Plus HT FR", "POWERply 2PM", "POWERply Endure 200 Smooth" or "POWERply Endure 200 FR"	hot asphalt, "THERMastic 80" or "THERMastic 100" at 25-30 lbs/square
PLY(S) ⇒	(Optional) "THERMglass Type IV", "THERMglass Premium VI", "BURmastic Composite Ply HT", "BURmastic Composite Ply Premium", "BURmastic Composite Ply HT Green", "BURmastic Composite Ply Premium Green", "POWERply Premium Smooth", "POWERply 300 Smooth", "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"	hot asphalt, "THERMastic 80" or "THERMastic 100" at 25-30 lbs/square
BASE PLY ⇒	"BURmastic Composite Ply HT", "BURmastic Composite Ply Premium", "BURmastic Composite Ply HT Green", "BURmastic Composite Ply Premium Green", "POWERply Premium Smooth", "POWERply 300 Smooth", "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"	hot asphalt, "THERMastic 80" or "THERMastic 100" at 25-30 lbs/square

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

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COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
COVERBOARD ⇨	Option #1: Min. 0.125-inch "Tremboard AC", min. 0.25-inch Georgia-Pacific Gypsum "DensDeck Prime Roofboard", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG Corp "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"	hot asphalt at 25-30 lbs/square
	Option #2: Min. 0.125-inch "Tremboard AC" or min. 0.25-inch Georgia-Pacific Gypsum "DensDeck Prime Roofboard", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG Corp "SECUROCK Gypsum-Fiber Roof Board"	"THERMastic 80" at 25-30 lbs/square
INSULATION LAYER(S) ⇨	(Optional) One or more layer(s), min. 1-inch thick "Trisotech", "Trisotech G", "Trisotech CGF", Atlas Roofing "ACFoam II" or "ACFoam III" or Johns Manville "ENRGY 3"	hot asphalt or "THERMastic 80" at 25-30 lbs/square
VAPOUR BARRIER ⇨	Option #1: Two (2) plies IKO Industries "IKO No. 15 Asphalt Felt-Perforated" or other perforated-felt meeting ASTM D226, Type I or CSA A123.3, Type I, "BURmastic Composite Ply HT", "POWERply Standard Smooth"	hot asphalt or "THERMastic 80" at 25-30 lbs/square
	Option #2: POWERply Standard Smooth HW	torch-applied
PRIMER ⇨	ASTM D41	generic
DECK ⇨	Min. 2,500 psi structural concrete	

**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:
2023-03-14	DRAFT1 issued	New RSAR over structural concrete; for client review	RN
2023-03-20	FINAL issued	After client review	RN

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**END OF REPORT**