

**CA-01CA-06-20**  
**Canadian Edition Code Alert**  
**September 3, 2020**

**To: Carlisle SynTec Systems' Manufacturer's Representatives and Authorized Applicators**

*This Code Alert will be launched periodically in the form of an electronic publication to bring awareness to new updates/approvals as they become available and to shed light on critical code-related issues that may impact the market in Canada. Feedback concerning future topics or issues to be covered is strongly encouraged.*

**Canadian Dynamic Wind Uplift Testing**  
**CSA A123.21**

As a result of Carlisle's continuous dynamic uplift testing program for the Canadian market, four new UL-certified assemblies are now available. These assemblies offer dynamic wind uplift resistance values ranging from 33 psf to 80 psf as outlined in the following tables.

The tables list each specific assembly and define optional components or alternate attachment methods. A formal listing of these assemblies, along with a full description, can be found by accessing the online UL Directory, File# TGFY7.R8103

**EPDM and TPO Self-Adhering Membranes (SAT)**

MEMBRANE	TOP INSULATION OR COVER BOARD	BASE INSULATION	THERMAL BARRIER	DESIGN WIND UPLIFT RESISTANCE <sup>1</sup> (psf)	MIN. FASTENER PULLOUT <sup>2</sup> (lbf)	REFERENCE
	ATTACHMENT METHOD					
Sure-Seal <sup>®</sup> SAT	Min. 2-inch InsulBase/ InsulFast Fasteners & SecurFast Insulation Plates @ 1 per 4 S.F.	Optional - Any thickness InsulBase, SecurShield <sup>®</sup> , SecurShield HD Composite, Insulfoam EPS/ Loose-laid	Optional - Any/ Loose-laid, adhered, or mechanically attached	33	200	UL SYSTEM #25
Sure-Weld <sup>®</sup> SAT	Min. 2" InsulBase/ InsulFast Fasteners & SecurFast Insulation Plates @ 1 per 4 S.F.	Optional - Any thickness InsulBase, SecurShield, SecurShield HD Composite, Insulfoam EPS/ Loose-laid	Optional - Any/ Loose-laid, adhered, or mechanically attached	42	250	UL SYSTEM #26

### EPDM Mechanically Attached

MEMBRANE / ATTACHMENT	TOP INSULATION OR COVER BOARD	BASE INSULATION	THERMAL BARRIER	DESIGN WIND UPLIFT RESISTANCE <sup>1</sup> (psf)	MIN. FASTENER PULLOUT <sup>2</sup> (lbf)	REFERENCE
	ATTACHMENT METHOD					
6'-wide Sure-Tough™ or Sure-Tough FR/Polymer Fastening Plates with HP Fasteners spaced 6" o.c.	Optional (except when Insulfoam EPS is used): 1/4" DensDeck® Prime or SECUROCK®/ 1/2" HP Recovery Board, SecurShield HD, SecurShield HD Plus/ InsulFast @ 1 per 3.2 S.F.	InsulBase, SecurShield HD Composite, or Insulfoam EPS/ InsulFast @ 1 per 3.2 S.F. (Fasteners not required when cover board is used)	Optional - Any/ Loose-laid, adhered, or mechanically attached	75	338	UL SYSTEM #23

### EPDM Adhered

MEMBRANE / ADHESIVE	TOP INSULATION OR COVER BOARD	BASE INSULATION	THERMAL BARRIER	DESIGN WIND UPLIFT RESISTANCE <sup>1</sup> (psf)	MIN. FASTENER PULLOUT <sup>2</sup> (lbf)	REFERENCE
	ATTACHMENT METHOD					
Sure-Seal FR, Sure-White®, Sure-Tough/ 90-8-30A, EPDM x-23 Bonding Adhesives	Min. 1/2" SECUROCK Gypsum-Fiber Roof Board/ HP Fasteners @ 1 per 2 S.F.	Min. 1.5" InsulBase, SecurShield, SecurShield HD Composite, or Insulfoam EPS	Optional - Any/ Loose-laid, adhered, or mechanically attached	80	240	UL SYSTEM #24

The assemblies described in the tables above have also been added to the online listing of tested CSA A123.21 assemblies, which is located on the Carlisle website.

To access the data:

- 1- From the home page, select documents and from the dropdown menu, click on codes.
- 2- In the search bar, type in "Canadian" and select Canadian Standard Association Wind Uplift Test Results.
- 3- Select the membrane type and roof system type to view the various assembly tables.
- 4- To access the full description of any of the assemblies, click the UL reference number on the far right of the table.