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**Supplier:**



## **Mod-Bit Cold Gold adhered System, Adhered Attached Roof System (AARS)**

### **Roofing System Summary :**

- Cap sheet membrane: Modified Bituminous Membrane or allowable products
- Base sheet membrane: Modified Bituminous Membrane or allowable products
- Cover board: Asphaltic board
- Insulation: Polyisocyanurate or allowable products
- Vapour barrier: Membrane or allowable products
- Decking: Steel Deck

- Dynamic Uplift Resistance (DUR) as per CSA A123.21:

Description	Test observation reading	With SF of 1.5
<b>System A</b>	-3.6 kPa(-75 psf)	<b>-2.4 kPa(-50 psf)</b>

*Notes :*

**Allow products:**

Only equivalent products included into the roofing system's report are admissible.

**Optional components:**

Components of the roofing system designated as optional may be included or excluded from the roofing system which will not change the published dynamic uplift resistance (DUR).

**Safety factor:**

As required by in the CSA A123.21 Standard, the published dynamic uplift resistance (DUR) are reduced by a safety factor of 1.5 (SF of 1.5)

**Admissible wind uplift load calculation:**

An online calculator is available at [www.sigders.ca](http://www.sigders.ca). The user will have to provide the following information:

- building location;
- building geometry;
- building exposure;
- building openings;
- building importance factor.

The calculator will display the allowable design load of the roof's field surface, edges and corners as well as the dimensions of the edge and corner zones.

**Technical Advisories:**

Assessment reports must be read in conjunction with technical advisories issued by **exp** Services Inc.

**Values**

For this document, the metric values are the standard and values in parentheses are for information only.

**Notice**

**Exp** Services inc. reserve their right to withdraw, without prior notice, the test report performed as per CSA A123.21 Standard.



## Roof System Assessment Report of Wind Uplift Resistance (ISO 17025)

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### Roofing System's Specific Data:

#### Cap Sheet Membrane:

- Allowable products:	<b>IKO</b>		
	Torchflex TP-250 Cap	Prevent TP-250	Armourcool Granular TP-HD
	Torchflex TPQ-250 Cap	Prevent Premium TP-250	Armourcool Granular Prevent TP-HD
	Torchflex TP-HD	Prevent TP-HD	Armourcool Granular Prevent PremiumTP-HD
	Torchflex TP-250 5 mm	Prevent Premium TP-HD	Armourcool Granular TP
	Torchflex TP-180 Cap	Modiflex MP-180-Cap	Modiflex-PP-HD-Cap
	Modiflex MP-250-Cap		
<b>Adhered attached Pattern</b>	Row spacing		Adhered spacing
	<b>Fully adhered</b>		<b>No spacing</b>
- Attachment type:	Cold Gold Adhesive or heat welded (upon membrane type)		
- Attachment supplier:	<b>IKO</b>		

#### Base sheet membrane:

- Allowable products:	TorchflexTF-95-SS Base	Modiflex MP-180 SS	Modiflex MP-HD SS
	Torchflex TF-95 FS	Modiflex MP-180 FS	Modiflex MP-HD FS
	Modiflex MF-95 FS	Torchflex TP-180 FF	Torchflex TP-HD FF
	Modiflex MF-95 SS	Modiflex Cold Gold Base	
<b>Adhered attached Pattern</b>	Row spacing		Adhered spacing
	<b>Fully adhered</b>		<b>No spacing</b>
- Attachment type:	Cold Gold Adhesive or heat welded (upon membrane type)		
- Attachment supplier:	<b>IKO</b>		

#### Cover board:

- Allowable products:	<b>IKO</b>		
	Protectoboard	Protectobase 95	Protectobase 180
- Allowable thickness:	Between 3 mm (1/8 in) and 12.7 mm (1/2 in)		
<b>Adhered attached Pattern For System A result</b>	Row spacing		Adhered spacing
	<b>Ribbons</b>		<b>152 mm (6 in) o.c.</b>
- Attachment type:	Cold Gold adhesive		
- Attachment supplier:	<b>IKO</b>		

#### Insulation:

- Allowable products:	<b>IKO</b>		
	IKOTherm	IKOTherm Tapered	IKOTherm 25 psi Tapered
	IKOTherm III	IKOTherm III 25 psi	IKOTherm 25 psi
- Allowable thickness:	Between 25 mm (1 in) and 203 mm (8 in)		
<b>Adhered attached Pattern For System A result</b>	Row spacing		Adhered spacing
	<b>Ribbons</b>		<b>152 mm (6 in) o.c.</b>
- Attachment type:	Cold Gold adhesive		
- Attachment supplier:	<b>IKO</b>		



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### Vapour Barrier:

- Allowable products:	<b>IKO</b>		
	ArmourGard	MVP Vapour Retardant	
<b>Adhered attached Pattern For System A result</b>	Row spacing	Adhered spacing	
	<b>Ribbons</b>	<b>152 mm (6 in) o.c.</b>	
- Attachment type:	Cold Gold adhesive		
- Attachment supplier:	<b>IKO</b>		

### Decking:

- Type:	Galvanized construction steel or coated with an aluminum/zinc alloy or PVC in accordance with ASTM A653, ASTM A792, ASTM A1008 or CSSBI 10M Standards.
- Supplier:	Generic
- Thickness:	0.76 mm (0.03 in.) minimum, with a yield strength of 230 MPa (33 ksi) and a tensile strength of 310 MPa (45 ksi) commonly defined as being of a 22 gauge minimum thickness.
- Attachment method:	The deck's fastening to the supporting structure must be strong enough to resist wind uplift loads (adjusted as per NBC requirements).
- Fastening uplift resistance (CSA S136.F04):	2.09 kN (470 pf)
- -Equivalence:	Steel deck thickness of 18 to 22 gauges or wood deck or concrete deck with pullout resistance equal or higher than the Fastening uplift resistance specified above.