

# IKO MOD-BIT ROOF ASSEMBLIES

## CSA A123.21

# AARS -

## Adhesive Applied Roofing Systems

IKO System Identification:	AARS001	AARS004	AARS005
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-7.2 kPa (-150 psf)</b>	<b>-6.3 kPa (-131 psf)</b>	<b>-5.8 kPa (-120 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Resistance Factor)	<b>-4.7 kPa (-97.5 psf)</b>	<b>-4.1 kPa (-85.2 psf)</b>	<b>-3.7 kPa (-78 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-4.8 kPa (-100 psf)</b>	<b>-4.2 kPa (-87 psf)</b>	<b>-3.8 kPa (-80 psf)</b>
Roof Membrane (Cap Sheet):	Modiflex MP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Type III Asphalt	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Modiflex MP-180-SS	Torchflex TP-180-FF-Base	Torchflex TP-180-FF-Base
Application:	Type III Asphalt	Heat-Welded	Heat-Welded
Cover Board:	Protectoboard	Protectoboard	Protectoboard
Application:	Type III Asphalt	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Type III Asphalt	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Type III Asphalt	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Vapour Retarder:	#15 Perforated Felt (2 Plies)	Torchflex TF-95-SF-Base	Armourbond Flash Sand
Application:	Type III Asphalt	Heat-Welded	Self-Adhered
Thermal Barrier:	DensDeck Prime	DensDeck Prime	DensDeck Prime
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

IKO System Identification:	AARS006	AARS007	AARS009	AARS010
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-3.6 kPa (-75 psf)</b>	<b>-5.7 kPa (-120 psf)</b>	<b>-7.2 kPa (-150 psf)</b>	<b>-5.0 kPa (-105 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-2.3 kPa (-48.8 psf)</b>	<b>-3.7 kPa (-78 psf)</b>	<b>-4.7 kPa (-97.5 psf)</b>	<b>-3.3 kPa (-68.3 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-2.4 kPa (-50 psf)</b>	<b>-3.8 kPa (-80 psf)</b>	<b>-4.9 kPa (-100 psf)</b>	<b>-3.4 kPa (-70 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	#15 Perforated Felt (4 Plies)	Type IV Glass (2 Plies)
Application:	Heat-Welded	Heat-Welded	Type II Asphalt	Type II Asphalt
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	Armourvent Base	-	Modiflex MF-95-SS-Base
Application:	Heat-Welded	Self-Adhered	-	Type II Asphalt
Cover Board:	Protectoboard	IKOTerm Covershield	Protectoboard	Protectoboard
Application:	Millennium Adhesive (12" O.C.)			
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Millennium Adhesive (12" O.C.)			
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Millennium Adhesive (12" O.C.)			
Vapour Retarder:	MVP	Torchflex TF-95-SF-Base	MVP Sand	MVP
Application:	Self-Adhered	Heat-Welded	Self-Adhered	Self-Adhered
Thermal Barrier:	-	DensDeck Prime	DensDeck Prime	DensDeck Prime
Application:	-	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Deck:	Steel Deck, 22 ga.			

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# IKO MOD-BIT ROOF ASSEMBLIES

## CSA A123.21

# AARS -

## Adhesive Applied Roofing Systems

IKO System Identification:	AARS011	AARS012	AARS013	AARS014
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-4.5 kPa (-94 psf)</b>	<b>-7.2 kPa (-150 psf)</b>	<b>-7.2 kPa (-150 psf)</b>	<b>-4.5 kPa (-94 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-2.9 kPa (-61.1 psf)</b>	<b>-4.7 kPa (-97.5 psf)</b>	<b>-4.7 kPa (-97.5 psf)</b>	<b>-2.9 kPa (-61.1 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-3.0 kPa (-62.5 psf)</b>	<b>-4.8 kPa (-100 psf)</b>	<b>-4.8 kPa (-100 psf)</b>	<b>-3.0 kPa (-62.5 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Heat-Welded	Heat-Welded	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	-	-	Armourvent Base
Application:	Heat-Welded	-	-	Self-Adhered
Cover Board:	Protectoboard	ShieldBase 180	ShieldBase 180	-
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	-
Insulation (Top Layer):	ISO X Type 1 / IKOTerm Composite Board	IKOTerm Insulation	IKOTerm Insulation	IKOTerm III
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm III
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Vapour Retarder:	MVP Sand	Torchflex TF-95-SF-Base	MVP Sand	MVP Sand
Application:	Self-Adhered	Heat-Welded	Self-Adhered	Self-Adhered
Thermal Barrier:	DensDeck Prime	DensDeck Prime	-	-
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	-	-
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

IKO System Identification:	AARS015	AARS016	AARS017	AARS018
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-6.3 kPa (-131 psf)</b>	<b>-5.4 kPa (-112 psf)</b>	<b>-8.4 kPa (-172 psf)</b>	<b>-8.4 kPa (-172 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-4.1 kPa (-85.2 psf)</b>	<b>-3.5 kPa (-72.8 psf)</b>	<b>-5.4 kPa (-111.8 psf)</b>	<b>-5.4 kPa (-111.8 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-4.2 kPa (-87 psf)</b>	<b>-3.6 kPa (-75 psf)</b>	<b>-5.5 kPa (-115 psf)</b>	<b>-5.5 kPa (-115 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Heat-Welded	Heat-Welded	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	-	Armourbond Flash	-
Application:	Heat-Welded	-	Self-Adhered	-
Cover Board:	Protectoboard	Protectobase 180	-	Protectobase 180
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	-	Millennium Adhesive (12" O.C.)
Insulation (Top Layer):	IKOTerm Insulation	ISO X Type 1 / IKOTerm Composite Board	-	-
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	-	-
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	-	-
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	-	-
Vapour Retarder:	MVP Sand	Torchflex TF-95-SF-Base	-	-
Application:	Self-Adhered	Heat-Welded	-	-
Thermal Barrier:	DensDeck Prime	DensDeck Prime	-	-
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	-	-
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Plywood Deck, 5/8" Minimum	Plywood Deck, 5/8" Minimum

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## CSA A123.21

# AARS -

## Adhesive Applied Roofing Systems

IKO System Identification:	AARS019	AARS020	AARS023	AARS024
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-10.8 kPa (-225 psf)</b>	<b>-5.4 kPa (-112.5 psf)</b>	<b>-8.26 kPa (-172.5 psf)</b>	<b>-8.8 kPa (-183.8 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-7.0 kPa (-146.3 psf)</b>	<b>-3.5 kPa (-73.1 psf)</b>	<b>-5.4 kPa (-112.1 psf)</b>	<b>-5.7 kPa (-119.5 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-7.2 kPa (-150 psf)</b>	<b>-3.6 kPa (-75 psf)</b>	<b>-5.5 kPa (-115 psf)</b>	<b>-5.9 kPa (-122.5 psf)</b>
Roof Membrane (Cap Sheet):	IKO ArmourStick HD-Cap	IKO ArmourStick HD-Cap	IKO Modiflex MP-180-Cap	IKO ArmourStick HD-Cap
Application:	Self-Adhered	Self-Adhered	Cold Cold Adhesive	Self-Adhered
Roof Membrane (Base Sheet):	IKO ArmourStick HD-Base	IKO ArmourStick HD-Base	IKO Modiflex MP-95-SS-Base	IKO ArmourStick HD-Base
Application:	Self-Adhered	Self-Adhered	Cold Cold Adhesive	Self-Adhered
Cover Board:	N/A	IKO Protectoboard	IKOTherm Covershield	DensDeck Prime
Application:	N/A	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Top Layer):	N/A	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation
Application:	N/A	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Bottom Layer):	N/A	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation
Application:	N/A	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Vapour Retarder:	N/A	IKO MVP Sand	IKO Modiflex MP-95-SS-Base	IKO MVP
Application:	N/A	Self-Adhered	Cold Cold Adhesive	Self-Adhered
Thermal Barrier:	N/A	DensDeck Prime	DensDeck Prime	DensDeck Prime
Application:	N/A	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Deck:	15.5 mm (5/8") Plywood	Steel Deck, 22 ga.	Steel Deck, 22 ga	Steel Deck, 22 ga

IKO System Identification:	AARS027	AARS029
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-5.03 kPa (-105 psf)</b>	<b>-5.03 kPa (-105 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-3.3 kPa (-68.3 psf)</b>	<b>-3.3 kPa (-68.3 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-3.35 kPa (-70 psf)</b>	<b>-3.35 kPa (-70 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Self-Adhered	Self-Adhered
Roof Membrane (Base Sheet):	Armourbond Flash	Armourbond Flash
Application:	Heat-Welded	Heat-Welded
Cover Board:	Optional - IKOTherm Covershield	N/A
Application:	N/A	N/A
Insulation (Top Layer):	IKOTherm III Insulation	IKOTherm Insulation
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Bottom Layer):	IKOTherm Insulation	IKOTherm Insulation
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Vapour Retarder:	MVP	MVP
Application:	Self-Adhered	Self-Adhered
Thermal Barrier:	DensDeck Prime	DensDeck Prime
Application:	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.

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# IKO MOD-BIT ROOF ASSEMBLIES

## CSA A123.21

# PARS -

## Partially Attached Roofing Systems

IKO System Identification:	PARS001A	PARS001B	PARS002	PARS003
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-2.1 kPa (-43psf)</b>	<b>-3.4 kPa (-72 psf)</b>	<b>-2.7 kPa (-56 psf)</b>	<b>-5.4 kPa (-112 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-1.4 kPa (-28 psf)</b>	<b>-2.2 kPa (-46.8 psf)</b>	<b>-1.8 kPa (-36.4 psf)</b>	<b>-3.5 kPa (-72.8 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-1.4 kPa (-29 psf)</b>	<b>-2.3 kPa (-48 psf)</b>	<b>-1.8 kPa (37.5 psf)</b>	<b>-3.6 kPa (-75 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Heat-Welded	Heat-Welded	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	Torchflex TP-180-FF-Base	Armourvent Base	Torchflex TP-180-FF-Base
Application:	Heat-Welded	Heat-Welded	Self-Adhered	Heat-Welded
Cover Board:	Protectoboard	Protectoboard	IKOTherm CoverShield	Protectoboard
Application:	Fastened (1 per 4.0 Sq. Ft.)	Fastened (1 per 2.2 Sq. Ft.)	Fastened (1 per 4.0 Sq. Ft.)	Millennium Adhesive (12" O.C.)
Insulation (Top Layer):	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation
Application:	Loose Laid	Loose Laid	Loose Laid	Fastened (1 per 4.0 Sq. Ft.)
Insulation (Bottom Layer):	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Vapour Retarder:	ArmourGard Vapour Retarder	ArmourGard Vapour Retarder	MVP	MVP
Application:	Loose Laid	Loose Laid	Self-Adhered	Self-Adhered
Thermal Barrier:	Optional - Gypsum Board			
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Deck:	Steel Deck, 22 ga.			

IKO System Identification:	PARS004	PARS005	PARS006	PARS007
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-3.6 kPa (-75 psf)</b>	<b>-2.2 kPa (-45 psf)</b>	<b>-3.6 kPa (-75 psf)</b>	<b>-3.6 kPa (-75 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-2.3 kPa (-48.8 psf)</b>	<b>-1.4 kPa (-29.3 psf)</b>	<b>-2.3 kPa (-48.8 psf)</b>	<b>-2.3 kPa (-48.8 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-2.4 kPa (-50 psf)</b>	<b>-1.4 kPa (-30 psf)</b>	<b>-2.4 kPa (-50 psf)</b>	<b>-2.4 kPa (-50 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Heat-Welded	Heat-Welded	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	Torchflex TP-180-FF-Base	Armourvent Base	Torchflex TP-180-FF-Base
Application:	Heat-Welded	Heat-Welded	Self-Adhered	Heat-Welded
Cover Board:	Protectoboard	Protectoboard	IKOTherm CoverShield	Protectoboard
Application:	Millennium Adhesive (12" O.C.)	Fastened (1 per 4.0 Sq. Ft.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)
Insulation (Top Layer):	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation
Application:	Fastened (1 per 4.0 Sq. Ft.)	Loose Laid	Fastened (1 per 4.0 Sq. Ft.)	Fastened (1 per 5.3 Sq. Ft.)
Insulation (Bottom Layer):	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation	IKOTherm Insulation
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Vapour Retarder:	ArmourGard Vapour Retarder	MVP	MVP	MVP
Application:	Loose Laid	Self-Adhered	Self-Adhered	Self-Adhered
Thermal Barrier:	Optional - Gypsum Board	Optional - Gypsum Board	Optional - Gypsum Board	Optional - Gypsum Board
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

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# IKO MOD-BIT ROOF ASSEMBLIES

## CSA A123.21

# PARS -

## Partially Attached Roofing Systems

IKO System Identification:	PARS008	PARS009	PARS010	PARS011
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-4.5 kPa (-93 psf)</b>	<b>-5.4 kPa (-112 psf)</b>	<b>-4.3 kPa (-90 psf)</b>	<b>-4.5 kPa (-94 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-2.9 kPa (-60.5 psf)</b>	<b>-3.5 kPa (-72.8 psf)</b>	<b>-2.8 kPa (-58.5 psf)</b>	<b>-2.9 kPa (-61.1 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-3.0 kPa (-62 psf)</b>	<b>-3.6 kPa (-75 psf)</b>	<b>-2.9 kPa (-60 psf)</b>	<b>-3.0 kPa (-62 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	#15 Perforated Felt (4 Plies)	#15 Perforated Felt (4 Plies)	Modiflex MF-95-SS-Base (2 Plies)
Application:	Heat-Welded	Type II Asphalt	Type II Asphalt	Type II Asphalt
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	-	-	-
Application:	Heat-Welded	-	-	-
Cover Board:	Protectoboard	MSL Fiberboard	MSL Fiberboard	Protectoboard
Application:	Millennium Adhesive (12" O.C.)	Type II Asphalt	Type II Asphalt	Type II Asphalt
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Millennium Adhesive (12" O.C.)	Type II Asphalt	Type II Asphalt	Type II Asphalt
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Fastened (1 per 2.7 sq. ft.)	Type II Asphalt	Fastened (1 per 2.7 sq. ft.)	Fastened (1 per 2.7 sq. ft.)
Vapour Retarder:	Torchflex TF-95-SF_Base	#15 Perforated Felt (2 Plies)	ArmourGard Vapour Retarder	MVP
Application:	Heat-Welded	Type II Asphalt	Loose Laid	Self-Adhered
Thermal Barrier:	Gypsum Board	Gypsum Board	Optional - Gypsum Board	Gypsum Board
Application:	Loose Laid	Fastened (1 per 2.7 Sq. Ft.)	Loose Laid	Loose Laid
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

IKO System Identification:	PARS012	PARS013	PARS014	PARS015
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-3.4 kPa (-70 psf)</b>	<b>-4.5 kPa (-94 psf)</b>	<b>-6.3 kPa (-131 psf)</b>	<b>-2.9 kPa (-60 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-2.2 kPa (-45.5 psf)</b>	<b>-2.9 kPa (-61.1 psf)</b>	<b>-4.1 kPa (-85.2 psf)</b>	<b>-1.9 kPa (-39 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-2.2 kPa (-47 psf)</b>	<b>-3.0 kPa (-62 psf)</b>	<b>-4.2 kPa (-88 psf)</b>	<b>-1.9 kPa (-40 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Armourstick HD-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Heat-Welded	Self-Adhered	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	Armourstick HD-Base	-	Torchflex TP-180-FF-Base
Application:	Heat-Welded	Self-Adhered	-	Heat-Welded
Cover Board:	DensDeck Prime	Protectoboard	Protectobase 180	Protectoboard
Application:	Fastened (1 per 2.0 Sq. ft.)	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Fastened (1 per 2.7 sq. ft.)
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Loose Laid	Millennium Adhesive (12" O.C.)	Millennium Adhesive (12" O.C.)	Loose Laid
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	Truefoam Type 1 EPS Insulation	IKOTerm Insulation
Application:	Loose Laid	Fastened (1 per 2.0 Sq. ft.)	Millennium Adhesive (12" O.C.)	Loose Laid
Vapour Retarder:	ArmourGard Vapour Retarder	ArmourGard Vapour Retarder	Torchflex TF-95-SF-Base	ArmourGard Vapour Retarder
Application:	Loose Laid	Loose Laid	Heat-Welded	Loose Laid
Thermal Barrier:	Gypsum Board	Gypsum Board	Gypsum Board	Optional - Gypsum Board
Application:	Loose Laid	Loose Laid	Fastened (1 per 2.0 Sq. ft.)	Loose Laid
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

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# IKO MOD-BIT ROOF ASSEMBLIES

## CSA A123.21

## PARS - Partially Attached Roofing Systems

IKO System Identification:	PARS016	PARS017	PARS018	PARS019
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-2.9 kPa (-60 psf)</b>	<b>-10 kPa (-210 psf)</b>	<b>-5.4 kPa (-112.5 psf)</b>	<b>-6.1 kPa (-127.5 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-1.9 kPa (-39 psf)</b>	<b>-6.5 kPa (-136.5 psf)</b>	<b>-3.5 kPa (-73.1 psf)</b>	<b>-4.0 kPa (-82.9 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-1.9 kPa (-40 psf)</b>	<b>-6.7 kPa (-140 psf)</b>	<b>-3.6 kPa (-75 psf)</b>	<b>-4.1 kPa (-85 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250 Cap	IKO ArmourStick HD-Cap
Application:	Heat-Welded	Heat-Welded	Heat-Welded	Self-Adhered
Roof Membrane (Base Sheet):	Torchflex TP-180-FF-Base	-	Torchflex TP-180-FF Base	IKO ArmourStick HD-Base
Application:	Heat-Welded	-	Heat-Welded	Self-Adhered
Cover Board:	Protectoboard	Protectobase 180	IKO Protectoboard	DensDeck Prime
Application:	Fastened (1 per 2.0 sq. ft.)	Fastened (12" O.C. & 2 Mid-Seam Rows)	Millennium Adhesive (12" O.C.)	Fastened (1 per 2.0 sq. ft.)
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Loose Laid	Loose Laid	Millennium Adhesive (12" O.C.)	Loose Laid
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Loose Laid	Loose Laid	Millennium Adhesive (12" O.C.)	Loose Laid
Vapour Retarder:	ArmourGard Vapour Retarder	MVP Sand	IKO MVP Sand	MVP Sand
Application:	Loose Laid	Self-Adhered	Self-Adhered	Self-Adhered
Thermal Barrier:	Optional - Gypsum Board	Gypsum Board	DensDeck Prime	Optional - Gypsum Board
Application:	Loose Laid	Loose Laid	Fastened (1 per 2.0 sq. ft.)	Loose Laid
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

This summary chart is provided as a courtesy for the reader's consideration and as general information on roof assemblies, and not as specific advice on any roof assembly's suitability for a particular building design or use. Please refer to the detailed summary reports available on our website [IKO.COM/COMM](http://IKO.COM/COMM).

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# IKO MOD-BIT ROOF ASSEMBLIES

## CSA A123.21

# MARS -

## Mechanically Attached Roofing Systems

IKO System Identification:	MARS005A	MARS005B	MARS005C	MARS005D
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-4.3 kPa (-90 psf)</b>	<b>-5.0 kPa (-105 psf)</b>	<b>-9.8 kPa (-206 psf)</b>	<b>-7.2 kPa (-150 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-2.8 kPa (-58.5 psf)</b>	<b>-3.3 kPa (-68.3 psf)</b>	<b>-6.4 kPa (-133.9 psf)</b>	<b>-4.7 kPa (-97.5 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-2.9 kPa (-60 psf)</b>	<b>-3.4 kPa (-70 psf)</b>	<b>-6.6 kPa (-138 psf)</b>	<b>-4.8 kPa (-100 psf)</b>
Roof Membrane (Cap Sheet):	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap
Application:	Heat-Welded	Heat-Welded	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	Fast-N-Stick 180 Base	Fast-N-Stick 180 Base	Fast-N-Stick 180 Base	Fast-N-Stick 180 Base
Application:	Fastened (18" O.C. In-Seam)	Fastened (12" O.C. In-Seam)	Fastened (6" O.C. In-Seam)	Fastened (12" O.C. In-Seam & Mid Roll)
Cover Board:	Optional - Protectoboard	Optional - Protectoboard	Optional - Protectoboard	Optional - Protectoboard
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation	IKOTerm Insulation
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Vapour Retarder:	ArmourGard Vapour Retarder	ArmourGard Vapour Retarder	ArmourGard Vapour Retarder	ArmourGard Vapour Retarder
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Thermal Barrier:	Optional - Gypsum Board	Optional - Gypsum Board	Optional - Gypsum Board	Optional - Gypsum Board
Application:	Loose Laid	Loose Laid	Loose Laid	Loose Laid
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.	Steel Deck, 22 ga.

IKO System Identification:	MARS016A	MARS016B
Dynamic Wind Uplift Resistance (Tested Rating)	<b>-8.0 kPa (-168 psf)</b>	<b>-4.3 kPa (-90 psf)</b>
Dynamic Wind Uplift Resistance (with 0.65x Safety Factor)	<b>-5.2 kPa (-109.2 psf)</b>	<b>-2.8 kPa (-58.5 psf)</b>
Dynamic Wind Uplift Resistance (with 1.5x Safety Factor)	<b>-5.4 kPa (-112 psf)</b>	<b>-2.9 kPa (-60 psf)</b>
Roof Membrane (Cap Sheet):	IKO Torchflex TP-250-Cap	IKO Torchflex TP-250-Cap
Application:	Heat-Welded	Heat-Welded
Roof Membrane (Base Sheet):	IKO Protectobase 180	IKO Protectobase 180
Application:	Fastened (12" O.C. In-Seam)	Fastened (18" O.C. In-Seam)
Cover Board:	N/A	N/A
Application:	N/A	N/A
Insulation (Top Layer):	IKOTerm Insulation	IKOTerm Insulation
Application:	Fastened (1 per 8 ft. <sup>2</sup> )	Fastened (1 per 8 ft. <sup>2</sup> )
Insulation (Bottom Layer):	IKOTerm Insulation	IKOTerm Insulation
Application:	Loose Laid	Loose Laid
Vapour Retarder:	MVP	MVP
Application:	Self-Adhered	Self-Adhered
Thermal Barrier:	Optional - Gypsum Board	Optional - Gypsum Board
Application:	Loose Laid	Loose Laid
Deck:	Steel Deck, 22 ga.	Steel Deck, 22 ga.

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