



Siplast Roof Assemblies

CSA A123.21-20

Refer to CSA summary reports for detailed information.

Rev. 07-2024

MARS (Mechanically Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP MARS-001	SIP MARS-001A	SIP MARS-002
Wind Uplift Resistance - Tested Value:	Tested Value: 3.83 kPa (80 psf)	Tested Value: 6.46 kPa (135 psf)	Tested Value: 4.31 kPa (90 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.49 kPa (52 psf)	Design Value: 4.20 kPa (88 psf)	Design Value: 2.80 kPa (58 psf)
Roof Membrane Cap Sheet:	Paratech 180 FR TG	Paratech 180 Cap FR TG	Paratech 180 FR TG
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Torched</i>
Membrane Base Sheet:	Paratech 180 Base	Paratech 180 Base	Paratech 180 Base
Securement:	MA @ 305 mm (12") o.c. in-seam, #12 with 60 mm (2-3/8") round barbed plate	MA @ 305 mm (12") o.c. in-seam, #15 XHD with 60 mm (2-3/8") round barbed plate	MA @ 152 mm (6") o.c. in-seam, #12 with 60 mm (2-3/8") round barbed plate
Cover Board/Ply Sheet:	Optional	Optional	Optional
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	51 mm (2") Paratherm	Paratherm 51 mm (2")
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Insulation (Bottom Layer):	Optional	Optional	Optional
Securement:	<i>Loose-laid</i>	<i>Loose-laid</i>	<i>Loose-laid</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Optional	Optional	Optional
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Deck:	Steel	Steel	Steel

SYSTEM IDENTIFICATION	SIP MARS-003	SIP MARS-005	SIP MARS-007
Wind Uplift Resistance - Tested Value:	Tested Value: 3.59 kPa (75 psf)	Tested Value: 5.39 kPa (112.5 psf)	Tested Value: 4.61 kPa (96 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.33 kPa (49 psf)	Design Value: 3.50 kPa (73 psf)	Design Value: 3.00 kPa (62 psf)
Roof Membrane Cap Sheet:	Paratech 180 FR TG	50 mil Parasolo PVC KEE	50 mil Parasolo PVC
Securement:	<i>Torched</i>	MA in-seam, #15 XHD with 60 mm (2-3/8") round barbed plate; fastener spacing 152 mm (6") o.c.; row spacing 1.37 m (4.5 ft) o.c.	MA in-seam, #15 XHD with 60 mm (2-3/8") round barbed plate; fastener spacing 305 mm (12") o.c.; row spacing 2.9 m (9.5 ft) o.c.
Membrane Base Sheet:	Paratech 180 Base	n/a	n/a
Securement:	MA @ 457 mm (18") o.c. in-seam, #12 with 60 mm (2-3/8") round barbed plate	n/a	n/a
Cover Board/Ply Sheet:	Optional	Optional	Optional
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	51 mm (2") Paratherm	38 mm (1.5") Paratherm
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Insulation (Bottom Layer):	Optional	Optional	Optional
Securement:	<i>Loose-laid</i>	<i>Loose-laid</i>	<i>Loose-laid</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Optional	Optional	Optional
Securement:	<i>Pre-secured</i>	<i>Loose-laid</i>	<i>Loose-laid</i>
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

MARS (Mechanically Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP MARS-009	SIP MARS-010	SIP MARS-011
Wind Uplift Resistance - Tested Value:	Tested Value: 5.21 kPa (109 psf)	Tested Value: 6.64 kPa (139 psf)	Tested Value: 7.42 kPa (155 psf)
Wind Uplift Rating - Design Value:	Design Value: 3.38 kPa (70 psf)	Design Value: 4.32 kPa (90 psf)	Design Value: 4.82 kPa (101 psf)
Roof Membrane Cap Sheet:	60 mil Parasolo PVC <i>MA Rhinobond 24" x 24" grid pattern, #15 XHD Fastener & 76 mm (3") round TPO Induction Plate - 8 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.37 m² (4 ft²)</i>	60 mil Parasolo PVC <i>MA Rhinobond 18" x 24" grid pattern, #15 XHD Fastener & 76 mm (3") round TPO Induction Plate - 12 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.25 m² (2.7 ft²)</i>	60 mil Parasolo PVC <i>MA Rhinobond 18" x 18" grid pattern, #15 XHD Fastener & 76 mm (3") round TPO Induction Plate - 15 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.20 m² (2.13 ft²)</i>
Securement:			
Membrane Base Sheet:	n/a	n/a	n/a
Securement:	n/a	n/a	n/a
Cover Board/Ply Sheet:	Optional	Optional	Optional
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Insulation (Top Layer):	38 mm (1.5") Paratherm	38 mm (1.5") Paratherm	38 mm (1.5") Paratherm
Securement:	<i>Pre-secured</i>	<i>Pre-secured</i>	<i>Pre-secured</i>
Insulation (Bottom Layer):	Optional	Optional	Optional
Securement:	<i>Loose-laid</i>	<i>Loose-laid</i>	<i>Loose-laid</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Optional	Optional	Optional
Securement:	<i>Loose-laid</i>	<i>Loose-laid</i>	<i>Loose-laid</i>
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

AARS (Adhesive Applied Roofing Systems)

SYSTEM IDENTIFICATION	SIP AARS-001	SIP AARS-002	SIP AARS-003
Wind Uplift Resistance - Tested Value:	Tested Value: 2.87 kPa (60 psf)	Tested Value: 3.35 kPa (70 psf)	Tested Value: 4.31 kPa (90 psf)
Wind Uplift Rating - Design Value:	Design Value: 1.87 kPa (40 psf)	Design Value: 2.18 kPa (45.5 psf)	Design Value: 2.80 kPa (58 psf)
Roof Membrane Cap Sheet:	Paradiene 30 TG	Paradiene 30 TG	Paradiene 30 FR
Securement:	<i>Torched</i>	<i>Torched</i>	<i>PA-311 R</i>
Membrane Base Sheet:	Paradiene 20 TG	Paradiene 20 TG	Paradiene 20
Securement:	<i>Torched</i>	<i>Torched</i>	<i>PA-311 R</i>
Cover Board/Ply Sheet:	Protectoboard 6 mm (1/4")	ProtectRSS 64 mm (2.5")	Gypsum 6.4 mm (1/4")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Top Layer):	Paratherm 38 mm (1.5")	---	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	---	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	---	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	---	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Vapour Retarder:	Paradiene 20 SA	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	DensDeck Prime 12.7 mm (1/2")	---	Gypsum 12.7 mm (1/2")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	---	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Deck:	Steel	Steel	Steel

SYSTEM IDENTIFICATION	SIP AARS-004	SIP AARS-005	SIP AARS-006
Wind Uplift Resistance - Tested Value:	Tested Value: 5.39 kPa (112.5 psf)	Tested Value: 4.79 kPa (100 psf)	Tested Value: 9.58 kPa (200 psf)
Wind Uplift Rating - Design Value:	Design Value: 3.50 kPa (73 psf)	Design Value: 3.11 kPa (65 psf)	Design Value: 6.22 kPa (130 psf)
Roof Membrane Cap Sheet:	Paradiene 30 FR TG	Paradiene 30 FR TG	Paradiene 30 FR TG
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20	Paradiene 20 TG	Paradiene 20 TS
Securement:	<i>Hot asphalt</i>	<i>Torched</i>	<i>Torched</i>
Cover Board/Ply Sheet:	Siplast Fiberboard 12.7 mm (1/2")	Parabase	n/a
Securement:	<i>Hot asphalt</i>	<i>MA NVS fasteners</i>	<i>n/a</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	NVS LWIC	Insulcel-RT LWIC
Securement:	<i>Hot asphalt</i>	<i>poured in place</i>	<i>poured in place</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	Insulperm	Insulperm
Securement:	<i>Hot asphalt</i>	<i>NVS slurry</i>	<i>Insulcel slurry</i>
Vapour Retarder:	Parabase	Irex 40	Irex 40
Securement:	<i>Hot asphalt</i>	<i>Torched</i>	<i>Torched</i>
Thermal Barrier:	Gypsum 12.7 mm (1/2")	Gypsum 12.7 mm (1/2")	Gypsum 12.7 mm (1/2")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

AARS (Adhesive Applied Roofing Systems)

SYSTEM IDENTIFICATION	SIP AARS-007	SIP AARS-008	SIP AARS-009
Wind Uplift Resistance - Tested Value:	Tested Value: 4.31 kPa (90 psf)	Tested Value: 5.39 kPa (112.5 psf)	Tested Value: 4.49 kPa (93.8 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.80 kPa (58 psf)	Design Value: 3.50 kPa (73 psf)	Design Value: 2.92 kPa (61 psf)
Roof Membrane Cap Sheet:	Paradiene 30 TG	Paradiene 30 FR SA	Paradiene 30 FR SA
Securement:	<i>Torched</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Membrane Base Sheet:	Paradiene 20 TG	Pro Base SA	Pro Base SA
Securement:	<i>Torched</i>	<i>PVC Adhesive</i>	<i>Self-adhered</i>
Cover Board/Ply Sheet:	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	Optional - Paratherm	Optional - Paratherm
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer):	Paratherm 51 mm (2")	Paratherm 38 mm (1.5")	Paratherm 51 mm (2")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Deck:	Steel	Steel	Steel

SYSTEM IDENTIFICATION	SIP AARS-010	SIP AARS-011	SIP AARS-012
Wind Uplift Resistance - Tested Value:	Tested Value: 5.03 kPa (105 psf)	Tested Value: 5.87 kPa (122.5 psf)	Tested Value: 6.46 kPa (135 psf)
Wind Uplift Rating - Design Value:	Design Value: 3.27 kPa (68 psf)	Design Value: 3.81 kPa (80 psf)	Design Value: 4.20 kPa (88 psf)
Roof Membrane Cap Sheet:	Paradiene 30 TG	Paradiene 30 FR TG	Paradiene 30 FR TG
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20 SA	Paradiene 20 TS SA	Paradiene 20 TS SA
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Cover Board/Ply Sheet:	Optional - Paratherm HD	Paratherm HD 12.7 mm (½")	Protectoboard 4.8 mm (3/16")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Top Layer):	Paratherm 38 mm (1.5")	Paratherm 38 mm (1.5")	Paratherm 51 mm (2")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	Paratherm 38 mm (1.5")	Cellofoam EPS, Type IX 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Irex 40	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Torched</i>	<i>Self-adhered</i>
Thermal Barrier:	n/a	Gypsum 12.7 mm (½")	n/a
Securement:	n/a	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	n/a
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

AARS (Adhesive Applied Roofing Systems)

SYSTEM IDENTIFICATION	SIP AARS-013	SIP AARS-014	SIP AARS-0015
Wind Uplift Resistance - Tested Value:	Tested Value: 6.46 kPa (135 psf)	Tested Value: 6.46 kPa (135 psf)	Tested Value: 4.21 kPa (88 psf)
Wind Uplift Rating - Design Value:	Design Value: 4.20 kPa (88 psf)	Design Value: 4.20 kPa (88 psf)	Design Value: 2.74 kPa (57 psf)
Roof Membrane Cap Sheet:	Paratech Glass Cap FR TG	Paratech Glass Cap FR	Parasolo PVC 50 mil
Securement:	<i>Torched</i>	<i>PA-311 R</i>	<i>Parasolo PVC Bonding Adhesive</i>
Membrane Base Sheet:	Paratech Glass Base TG	Paratech Glass Base	n/a
Securement:	<i>Torched</i>	<i>PA-311 R</i>	<i>n/a</i>
Cover Board/Ply Sheet:	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Top Layer):	Optional - Paratherm	Optional - Paratherm	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	Paratherm 38 mm (1.5")	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Deck:	Steel	Steel	Steel

SYSTEM IDENTIFICATION	SIP AARS-016	SIP AARS-017	SIP AARS-018
Wind Uplift Resistance - Tested Value:	Tested Value: 4.31 kPa (90 psf)	Tested Value: 4.31 kPa (90 psf)	Tested Value: 7.54 kPa (157.5 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.80 kPa (58 psf)	Design Value: 2.80 kPa (58 psf)	Design Value: 4.90 kPa (102 psf)
Roof Membrane Cap Sheet:	Paradiene 30 FR TG	Paradiene 30 FR	Paradiene 30 FR
Securement:	<i>Torched</i>	<i>SFT Adhesive</i>	<i>SFT Adhesive</i>
Membrane Base Sheet:	Paradiene 20 TG	Paradiene 20	Paradiene 20
Securement:	<i>Torched</i>	<i>SFT Adhesive</i>	<i>SFT Adhesive</i>
Cover Board/Ply Sheet:	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	Paratherm - Optional	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Insulation (Bottom Layer):	Cellofoam EPS, Type IX 38 mm (1.5")	Paratherm 38 mm (1.5")	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>
Deck:	Steel	Steel	Steel



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Rev. 07-2024

AARS (Adhesive Applied Roofing Systems)

SYSTEM IDENTIFICATION	SIP AARS-019	SIP AARS-020	SIP AARS-021
Wind Uplift Resistance - Tested Value:	Tested Value: 8.62 kPa (180 psf)	Tested Value: 7.78 kPa (162.5 psf)	Tested Value: 4.31 kPa (90 psf)
Wind Uplift Rating - Design Value:	Design Value: 5.60 kPa (117 psf)	Design Value: 5.06 kPa (105 psf)	Design Value: 2.80 kPa (60 psf)
Roof Membrane Cap Sheet:	Paradiene 30 FR	Paradiene 30 TG	Paradiene 30 FR TG
Securement:	<i>SFT Adhesive</i>	<i>Torched</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20	Paradiene 20 TG	Paradiene 20 TG
Securement:	<i>SFT Adhesive</i>	<i>Torched</i>	<i>Torched</i>
Cover Board/Ply Sheet:	Gypsum 6.4 mm (¼")	Protectoboard 6 mm (¼")	Protectoboard 4.8 mm (3/16")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	Optional - Paratherm	Paratherm 38 mm (1.5")	Paratherm 51 mm (2")
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	Paratherm 38 mm (1.5")	Optional - Paratherm
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Irex 40	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Torched</i>	<i>Self-adhered</i>
Thermal Barrier:	n/a	Gypsum 12.7 mm (½")	n/a
Securement:	n/a	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	n/a
Deck:	Steel	Steel	Plywood

SYSTEM IDENTIFICATION	SIP AARS-022	SIP AARS-023	SIP AARS-024
Wind Uplift Resistance - Tested Value:	Tested Value: 5.39 kPa (112.5 psf)	Tested Value: 6.46 kPa (135 psf)	Tested Value: 3.54 kPa (74 psf)
Wind Uplift Rating - Design Value:	Design Value: 3.50 kPa (73 psf)	Design Value: 4.20 kPa (87.8 psf)	Design Value: 2.30 kPa (48 psf)
Roof Membrane Cap Sheet:	Paradiene 30 FR TG	Paradiene 30 FR	Paradiene 30 FR TG
Securement:	<i>Torched</i>	<i>SFT Adhesive</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20 TS SA	Paradiene 20	Paradiene 20 SA
Securement:	<i>Self-adhered with PA-917 primer</i>	<i>SFT Adhesive</i>	<i>Self-adhered</i>
Cover Board/Ply Sheet:	Gypsum 6.4mm (1/4")	Parabase	Optional - Paratherm HD
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>MA Zono-Tite fasteners</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	Paratherm 38 mm (1.5")	Insulcel LWIC	38 mm (1.5") Paratherm
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Poured in place</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	Insulperm	Paratherm CG
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Insulcel slurry</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Vapour Retarder:	Siplast SA Vapor Retarder	Paradiene 20 SA	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Gypsum 12.7 mm (½")	12.7 mm (½") Gypsum	---
Securement:	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	---
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

AARS (Adhesive Applied Roofing Systems)

SYSTEM IDENTIFICATION	SIP AARS-025	SIP AARS-026	SIP AARS-027
Wind Uplift Resistance - Tested Value:	Tested Value: 6.27 kPa (131 psf)	Tested Value: 3.59 kPa (75 psf)	Tested Value: 5.75 kPa (120 psf)
Wind Uplift Rating - Design Value:	Design Value: 4.08 kPa (85 psf)	Design Value: 2.33 kPa (48.8 psf)	Design Value: 3.73 kPa (78 psf)
Roof Membrane Cap Sheet:	Paratech 250 Cap TG	Paratech 250 Cap TG	Paradiene 30 FR SA
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Self-adhered</i>
Membrane Base Sheet:	Paratech 180 Base TG	Paratech 180 Base TG	Pro Base SA
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Self-adhered</i>
Cover Board/Ply Sheet:	12.7 mm (½") Gypsum	n/a	Optional - Paratherm HD
Securement:	<i>Parafast 1-Step LRF (Millennium) Adhesive at 305 mm (12") o.c.</i>	<i>n/a</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	51 mm (2") Paratherm	52 mm (2") ROCKWOOL Multifix	38 mm (1.5") Paratherm
Securement:	<i>Parafast 1-Step LRF (Millennium) Adhesive at 305 mm (12") o.c.</i>	<i>Parafast 1-Step LRF (Millennium) Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer):	n/a	n/a	n/a
Securement:	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
Vapour Retarder:	n/a	n/a	n/a
Securement:	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
Thermal Barrier:	n/a	n/a	n/a
Securement:	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
Deck:	Steel	Steel	Plywood

SYSTEM IDENTIFICATION	SIP AARS-028		
Wind Uplift Resistance - Tested Value:	Tested Value: 8.62 kPa (180 psf)		
Wind Uplift Rating - Design Value:	Design Value: 5.60 kPa (117 psf)		
Roof Membrane Cap Sheet:	Paradiene 30 FR SA		
Securement:	<i>Self-adhered</i>		
Membrane Base Sheet:	Pro Base SA		
Securement:	<i>Self-adhered</i>		
Cover Board/Ply Sheet:	n/a		
Securement:	<i>n/a</i>		
Insulation (Top Layer):	n/a		
Securement:	<i>n/a</i>		
Insulation (Bottom Layer):	n/a		
Securement:	<i>n/a</i>		
Vapour Retarder:	n/a		
Securement:	<i>n/a</i>		
Thermal Barrier:	n/a		
Securement:	<i>n/a</i>		
Deck:	Plywood		



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-001	SIP PARS-002	SIP PARS-003
Wind Uplift Resistance - Tested Value:	Tested Value: 4.31 kPa (90 psf)	Tested Value: 2.15 kPa (45 psf)	Tested Value: 2.15 kPa (45 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.80 kPa (58 psf)	Design Value: 1.40 kPa (29 psf)	Design Value: 1.40 kPa (29 psf)
Roof Membrane Cap Sheet:	Paradiene 30 TG	Paradiene 30 TG	Paradiene 30 TG
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20 TG	Paradiene 20 TG	Paradiene 20 TG
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Torched</i>
Cover Board/Ply Sheet:	Gypsum 12.7 mm (½")	Protectoboard 6 mm (¼")	n/a
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>9 fasteners/1220 x 1524 mm (4' x 5') board; 1 per 0.21 m² (2.2 ft²)</i>	<i>n/a</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	---	51 mm (2") Toprock DD Plus
Securement:	<i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	---	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer):	Optional	---	Paratherm 51 mm (2")
Securement:	<i>Loose-laid</i>	---	<i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>
Vapour Retarder:	Siplast SA Vapor Retarder	---	Siplast SA Vapor Retarder
Securement:	<i>Self-adhered</i>	---	<i>Self-adhered</i>
Thermal Barrier:	Optional	---	Optional
Securement:	<i>Loose-laid</i>	---	<i>Loose-laid</i>
Deck:	Steel	Plywood	Steel

SYSTEM IDENTIFICATION	SIP PARS-004	SIP PARS-005	SIP PARS-006
Wind Uplift Resistance - Tested Value:	Tested Value: 2.87 kPa (60 psf)	Tested Value: 2.99 kPa (62 psf)	Tested Value: 2.68 kPa (56 psf)
Wind Uplift Rating - Design Value:	Design Value: 1.87 kPa (39 psf)	Design Value: 1.95 kPa (40 psf)	Design Value: 1.74 kPa (36 psf)
Roof Membrane Cap Sheet:	Paradiene 30 TG	Paradiene 30	Paradiene 30 TG
Securement:	<i>Torched</i>	<i>PA-311 R</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20 SA	Paradiene 20 SA	Paradiene 20 TG
Securement:	<i>Self-adhered</i>	<i>PA-311 R</i>	<i>Torched</i>
Cover Board/Ply Sheet:	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	Optional - Paratherm	Paratherm 38 mm (1.5")	Optional - Paratherm
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer):	38 mm (1.5") Paratherm	Paratherm or Cellofoam EPS 38 mm	Paratherm 38 mm (1.5")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 152 mm (6") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Vapour Retarder:	Paradiene 20 TG	Paradiene 20 SA	Paradiene 20 TG
Securement:	<i>Torched</i>	<i>Self-adhered</i>	<i>Torched</i>
Thermal Barrier:	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")	Gypsum 12.7 mm (½")
Securement:	<i>8 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.37 m² (4 ft²)</i>	<i>24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)</i>	<i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-007	SIP PARS-008	SIP PARS-009
Wind Uplift Resistance - Tested Value:	Tested Value: 3.35 kPa (70 psf)	Tested Value: 4.31 kPa (90 psf)	Tested Value: 3.83 kPa (80 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.18 kPa (45 psf)	Design Value: 2.80 kPa (58 psf)	Design Value: 2.49 kPa (52 psf)
Roof Membrane Cap Sheet:	Paradiene 30 TG	Paradiene 30 FR TG	Paradiene 30 FR TG
Securement:	<i>Torched</i>	<i>Torched</i>	<i>Torched</i>
Membrane Base Sheet:	Paradiene 20 TG	Paradiene 20 TS	Paradiene 20 TS SA
Securement:	<i>Self-adhered</i>	<i>Torched</i>	<i>Self-adhered</i>
Cover Board/Ply Sheet:	Gypsum 12.7 mm (½")	Gypsum 6.4 mm (¼")	Gypsum 6.4 mm (¼")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)</i>
Insulation (Top Layer):	1.5" Paratherm	Paratherm 38 mm (1.5")	---
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	---
Insulation (Bottom Layer):	Paratherm 51 mm (2")	Paratherm 38 mm (1.5") or Cellofoam EPS	---
Securement:	<i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	---
Vapour Retarder:	Siplast SA Vapor Retarder	Paradiene 20 TG	---
Securement:	<i>Self-adhered</i>	<i>Torched</i>	---
Thermal Barrier:	Optional	Gypsum 12.7 mm (½")	---
Securement:	<i>Loose-laid</i>	<i>24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)</i>	---
Deck:	Steel	Steel	Plywood

SYSTEM IDENTIFICATION	SIP PARS-010	SIP PARS-011	SIP PARS-012
Wind Uplift Resistance - Tested Value:	Tested Value: 4.31 kPa (90 psf)	Tested Value: 5.51 kPa (115 psf)	Tested Value: 3.35 kPa (70 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.80 kPa (58 psf)	Design Value: 3.58 kPa (75 psf)	Design Value: 2.18 kPa (45 psf)
Roof Membrane Cap Sheet:	Paradiene 30 FR TG	Paradiene 30 FR TG	Paradiene 30 FR
Securement:	<i>Torched</i>	<i>Torched</i>	<i>PA-311 R</i>
Membrane Base Sheet:	Paradiene 20 TS	Paradiene 20 TG	Paradiene 20
Securement:	<i>Torched</i>	<i>Torched</i>	<i>PA-311 R</i>
Cover Board/Ply Sheet:	Protectoboard 6 mm (¼")	n/a	Gypsum 6.4 mm (¼")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>n/a</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	Paratherm 51 mm (2")	Toprock DD Plus 2"	Paratherm 51 mm (2")
Securement:	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 102 mm (4") o.c.</i>	<i>24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)</i>
Insulation (Bottom Layer):	Paratherm 38 mm (1.5")	Paratherm 51 mm (2")	---
Securement:	<i>24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)</i>	<i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	---
Vapour Retarder:	Paradiene 20 SA	Siplast SA Vapor Retarder	Paradiene 20 SA
Securement:	<i>Self-adhered</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Thermal Barrier:	Gypsum 12.7 mm (½")	Optional	n/a
Securement:	<i>Loose-laid</i>	<i>Loose-laid</i>	<i>n/a</i>
Deck:	Steel	Steel	Plywood



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-013	SIP PARS-014	SIP PARS-015
Wind Uplift Resistance - Tested Value:	Tested Value: 4.31 kPa (90 psf)	Tested Value: 5.27 kPa (110 psf)	Tested Value: 4.31 kPa (90 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.80 kPa (58 psf)	Design Value: 3.42 kPa (71 psf)	Design Value: 2.80 kPa (58 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paradiene 20 <i>Hot Asphalt</i>	Paradiene 20 TG <i>Torched</i>	Paradiene 20 SA <i>Self-adhered</i>
Cover Board/Ply Sheet: Securement:	Protectoboard 6 mm (¼") <i>Hot Asphalt</i>	Gypsum 12.7 mm (½") 24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)	4.8 mm (3/16") Protectoboard 20 fasteners/1220 x 1524 mm (4' x 5') board; 1 per 0.093 m² (1.0 ft²)
Insulation (Top Layer): Securement:	Paratherm CG 51 mm (2") <i>Hot Asphalt</i>	Optional - Paratherm <i>Loose-laid</i>	Optional - Paratherm <i>Loose-laid</i>
Insulation (Bottom Layer): Securement:	n/a <i>n/a</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Cellofoam EPS, Type IX 38 mm (1.5") <i>Loose-laid</i>
Vapour Retarder: Securement:	Paratech Glass SA <i>Self-adhered</i>	Optional <i>Loose-laid or Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>
Thermal Barrier: Securement:	Gypsum 12.7 mm (½") 12 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.25 m² (2.7 ft²)	Optional <i>Loose-laid</i>	n/a <i>n/a</i>
Deck:	Steel	Steel	Plywood

SYSTEM IDENTIFICATION	SIP PARS-016	SIP PARS-017	SIP PARS-018
Wind Uplift Resistance - Tested Value:	Tested Value: 8.62 kPa (180 psf)	Tested Value: 4.31 kPa (90 psf)	Tested Value: 4.31 kPa (90 psf)
Wind Uplift Rating - Design Value:	Design Value: 5.60 kPa (117 psf)	Design Value: 2.80 kPa (58 psf)	Design Value: 2.80 kPa (58 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 FR <i>SFT Adhesive</i>	Paradiene 30 FR <i>PA-311 R</i>	Paratech Glass Cap FR <i>PA-311 M</i>
Membrane Base Sheet: Securement:	Paradiene 20 <i>SFT Adhesive</i>	Paradiene 20 <i>PA-311 R</i>	Paratech Glass Base <i>PA-311 M</i>
Cover Board/Ply Sheet: Securement:	Parabase FS <i>MA NVS fasteners</i>	Parabase FS <i>MA NVS fasteners</i>	Parabase FS <i>MA NVS fasteners</i>
Insulation (Top Layer): Securement:	NVS LWIC <i>Poured in place</i>	NVS LWIC <i>Poured in place</i>	NVS LWIC <i>Poured in place</i>
Insulation (Bottom Layer): Securement:	Insulperm <i>NVS slurry</i>	Insulperm <i>NVS slurry</i>	Insulperm <i>NVS slurry</i>
Vapour Retarder: Securement:	Paradiene 20 SA <i>Self-adhered</i>	Paradiene 20 SA <i>Self-adhered</i>	Paradiene 20 SA <i>Self-adhered</i>
Thermal Barrier: Securement:	Gypsum 12.7 mm (½") 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)	Gypsum 12.7 mm (½") 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)	Gypsum 12.7 mm (½") 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

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Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-019	SIP PARS-020	SIP PARS-021
Wind Uplift Resistance - Tested Value:	Tested Value: 8.62 kPa (180 psf)	Tested Value: 5.39 kPa (112.5 psf)	Tested Value: 4.31 kPa (90 psf)
Wind Uplift Rating - Design Value:	Design Value: 5.60 kPa (117 psf)	Design Value: 3.50 kPa (73 psf)	Design Value: 2.80 kPa (58 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 TG <i>Torched</i>	Paradiene 30 <i>Hot Asphalt</i>	Paradiene 30 TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paradiene 20 TG <i>Torched</i>	Paradiene 20 <i>Hot Asphalt</i>	Paradiene 20 TG <i>Torched</i>
Cover Board/Ply Sheet: Securement:	Gypsum 6.4 mm (¼") <i>Parafast Adhesive at 152 mm (6") o.c.</i>	Siplast Fiberboard 12.7 mm (½") <i>Hot Asphalt</i>	Gypsum 6.4 mm (½") <i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer): Securement:	Paratherm 51 mm (2") <i>Parafast Adhesive at 152 mm (6") o.c.</i>	Paratherm 38 mm (1.5") <i>Hot Asphalt</i>	Paratherm 51 mm (2") <i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Bottom Layer): Securement:	Paratherm 51 mm (2") <i>Parafast Adhesive at 152 mm (6") o.c.</i>	Paratherm 38 mm (1.5") <i>Hot Asphalt</i>	Paratherm 51 mm (2") <i>Parafast Adhesive at 305 mm (12") o.c.</i>
Vapour Retarder: Securement:	Irex 40 <i>Torched</i>	Parabase <i>Hot Asphalt</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>
Thermal Barrier: Securement:	Gypsum 12.7 mm (½") 24 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.124 m² (1.33 ft²)	Gypsum 12.7 mm (½") 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)	Gypsum 12.7 mm (½") 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)
Deck:	Steel	Steel	Steel
SYSTEM IDENTIFICATION	SIP PARS-022	SIP PARS-023	SIP PARS-024
Wind Uplift Resistance - Tested Value:	Tested Value: 3.45 kPa (72 psf)	Tested Value: 5.39 kPa (112.5 psf)	Tested Value: 2.69 kPa (56 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.24 kPa (46.8 psf)	Design Value: 3.50 kPa (73 psf)	Design Value: 1.75 kPa (36 psf)
Roof Membrane Cap Sheet: Securement:	Paraglass IV - 3 plies + flood coat <i>Hot asphalt</i>	Paratech Glass Cap TG <i>Torched</i>	Paradiene 30 TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paratech Glass Base <i>Hot asphalt</i>	Paratech Glass Base <i>Hot Asphalt</i>	Paradiene 20 TG <i>Torched</i>
Cover Board/Ply Sheet: Securement:	---	Siplast Fiberboard 12.7 mm (½") <i>Hot Asphalt</i>	Parabase FS <i>MA NVS fasteners</i>
Insulation (Top Layer): Securement:	66 mm (2.6") Paratherm <i>MA # 12 screw with 76 mm (3") round plate - 11 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.27 m² (2.9 ft²)</i>	Paratherm 38 mm (1.5") <i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	Paratherm CG <i>Poured in place</i>
Insulation (Bottom Layer): Securement:	66 mm (2.6") Paratherm <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Paratherm <i>NVS slurry</i>
Vapour Retarder: Securement:	Kraft Paper <i>Loose-laid</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>	Paradiene 20 TG <i>Torched</i>
Thermal Barrier: Securement:	---	---	Gypsum 12.7 mm (½") 20 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.15 m² (1.6 ft²)
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

Refer to CSA summary reports for detailed information.
Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-025	SIP PARS-026	SIP PARS-027
Wind Uplift Resistance - Tested Value:	Tested Value: 4.31 kPa (90 psf)	Tested Value: 5.03 kPa (105 psf)	Tested Value: 2.87 kPa (60 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.80 kPa (58 psf)	Design Value: 3.27 kPa (68 psf)	Design Value: 1.87 kPa (39 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 FR <i>PA 311 R</i>	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paradiene 20 <i>PA-311 R</i>	Paradiene 20 TG <i>Torched</i>	Paradiene 20 TG <i>Torched</i>
Cover Board/Ply Sheet: Securement:	Protectoboard 4.8 mm (3/16") <i>10 fasteners/1220 x 1524 mm (4' x 5') board; 1 per 0.19 m² (2.0 ft²)</i>	Gypsum 12.7 mm (½") <i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	Gypsum 6.4 mm (¼") <i>8 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.37 m² (4.0 ft²)</i>
Insulation (Top Layer): Securement:	Optional - Paratherm <i>Loose-laid</i>	Optional - Paratherm <i>Loose-laid</i>	Optional - Paratherm <i>Loose-laid</i>
Insulation (Bottom Layer): Securement:	Cellofoam EPS, Type IX 38 mm (1.5") <i>Loose-laid</i>	Paratherm 51 mm (2") <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>
Vapour Retarder: Securement:	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>
Thermal Barrier: Securement:	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>
Deck:	Plywood	Steel	Steel

SYSTEM IDENTIFICATION	SIP PARS-028	SIP PARS-029	SIP PARS-030
Wind Uplift Resistance - Tested Value:	Tested Value: 3.59 kPa (75 psf)	Tested Value: 5.75 kPa (120 psf)	Tested Value: 2.15 kPa (45 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.33 kPa (49 psf)	Design Value: 3.73 kPa (78 psf)	Design Value: 1.40 kPa (29 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paradiene 20 TG <i>Torched</i>	Paradiene 20 TG <i>Torched</i>	Paradiene 20 TS SA <i>Self-adhered</i>
Cover Board/Ply Sheet: Securement:	Gypsum 6.4 mm (1/4") <i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	Gypsum 6.4 mm (1/4") <i>32 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.09 m² (1.0 ft²)</i>	Paratherm HD <i>8 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.37 m² (4.0 ft²)</i>
Insulation (Top Layer): Securement:	Optional - Paratherm <i>Loose-laid</i>	Optional - Paratherm <i>Loose-laid</i>	Optional - Paratherm <i>Loose-laid</i>
Insulation (Bottom Layer): Securement:	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>
Vapour Retarder: Securement:	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>
Thermal Barrier: Securement:	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies CSA A123.21-20

Refer to CSA summary reports for detailed information.
Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-031	SIP PARS-032	SIP PARS-033
Wind Uplift Resistance - Tested Value:	Tested Value: 4.19 kPa (88 psf)	Tested Value: 6.46 kPa (135 psf)	Tested Value: 2.15 kPa (45 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.72 kPa (57 psf)	Design Value: 4.20 kPa (88 psf)	Design Value: 1.40 kPa (29 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paradiene 20 TS SA <i>Self-adhered</i>	Paradiene 20 TS SA <i>Self-adhered</i>	Paradiene 20 SA <i>Self-adhered</i>
Cover Board/Ply Sheet: Securement:	Paratherm HD <i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	Paratherm HD <i>32 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.09 m² (1.0 ft²)</i>	Paratherm HD <i>8 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.37 m² (4.0 ft²)</i>
Insulation (Top Layer): Securement:	Optional - Paratherm <i>Loose-laid</i>	Optional - Paratherm <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>
Insulation (Bottom Layer): Securement:	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>
Vapour Retarder: Securement:	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>
Thermal Barrier: Securement:	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>
Deck:	Steel	Steel	Steel

SYSTEM IDENTIFICATION	SIP PARS-034	SIP PARS-035	SIP PARS-036
Wind Uplift Resistance - Tested Value:	Tested Value: 5.39 kPa (112 psf)	Tested Value: 5.03 kPa (105 psf)	Tested Value: 7.18 kPa (150 psf)
Wind Uplift Rating - Design Value:	Design Value: 3.50 kPa (73 psf)	Design Value: 3.27 kPa (68 psf)	Design Value: 4.67 kPa (97.5 psf)
Roof Membrane Cap Sheet: Securement:	Paradiene 30 FR TG <i>Torched</i>	Paradiene 30 FR TG <i>Torched</i>	Paratech 250 Cap TG <i>Torched</i>
Membrane Base Sheet: Securement:	Paradiene 20 SA <i>Self-adhered</i>	Paradiene 20 SA <i>Self-adhered</i>	Paratech 180 Base TG <i>Torched</i>
Cover Board/Ply Sheet: Securement:	Paratherm HD <i>Parafast Adhesive at 305 mm (12") o.c.</i>	Paratherm HD <i>Parafast Adhesive at 305 mm (12") o.c.</i>	12.7 mm (½") Gypsum <i>MA # 12 screw with 76 mm (3") round plate - 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>
Insulation (Top Layer): Securement:	Paratherm minimum 66 mm (2.6") <i>16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	minimum 66 mm (2.6") Paratherm <i>12 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.25 m² (2.7 ft²)</i>	52 mm (2") ROCKWOOL Multifix <i>Loose-laid</i>
Insulation (Bottom Layer): Securement:	Paratherm 38 mm (1.5") <i>Loose-laid</i>	Paratherm 38 mm (1.5") <i>Loose-laid</i>	---
Vapour Retarder: Securement:	Siplast SA Vapor Retarder <i>Self-adhered</i>	Siplast SA Vapor Retarder <i>Self-adhered</i>	Paratech Glass SA <i>Self-adhered</i>
Thermal Barrier: Securement:	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>	Optional <i>Loose-laid</i>
Deck:	Steel	Steel	Steel



Siplast Roof Assemblies

CSA A123.21-20

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Rev. 07-2024

PARS (Partially Attached Roofing Systems)

SYSTEM IDENTIFICATION	SIP PARS-037	SIP PARS-038	SIP PARS-039
Wind Uplift Resistance - Tested Value:	Tested Value: 3.59 kPa (75 psf)	Tested Value: 1.77 kPa (37 psf)	Tested Value: 3.23 kPa (67 psf)
Wind Uplift Rating - Design Value:	Design Value: 2.33 kPa (48.8 psf)	Design Value: 1.15 kPa (24.1 psf)	Design Value: 2.10 kPa (43.9 psf)
Roof Membrane Cap Sheet:	Paratech 250 Cap TG	Paradiene 30 FR SA	Paradiene 30 FR SA
Securement:	<i>Torched</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Membrane Base Sheet:	Paratech 180 Base TG	Pro Base SA	Pro Base SA
Securement:	<i>Torched</i>	<i>Self-adhered</i>	<i>Self-adhered</i>
Cover Board/Ply Sheet:	n/a	Paratherm HD	Paratherm HD
Securement:	<i>n/a</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>	<i>Parafast Adhesive at 305 mm (12") o.c.</i>
Insulation (Top Layer):	52 mm (2") ROCKWOOL Multifix	38 mm (1.5") Paratherm	38 mm (1.5") Paratherm
Securement:	<i>MA # 12 screw with 76 mm (3") round plate - 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>	<i>MA # 12 screw with 76 mm (3") round plate - 8 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.37 m² (4.0 ft²)</i>	<i>MA # 12 screw with 76 mm (3") round plate - 16 fasteners/1220 x 2440 mm (4' x 8') board; 1 per 0.19 m² (2.0 ft²)</i>
Insulation (Bottom Layer):	---	---	---
Securement:	---	---	---
Vapour Retarder:	Paratech Glass SA	---	---
Securement:	<i>Self-adhered</i>	---	---
Thermal Barrier:	Optional	---	---
Securement:	<i>Loose-laid</i>	---	---
Deck:	Steel	Plywood	Plywood