

ROOF SYSTEM ATTACHMENT

**BUILDING TRUST
CONSTRUIRE LA CONFIANCE**



MECHANICALLY ATTACHED SYSTEMS

SYSTEM	DECK ³	THERMAL BARRIER ⁴	VAPOUR RETARDER	INSULATION	COVER BOARD	MEMBRANE	FIELD OF ROOF PRESSURE	ZONES	ATTACHMENT	WIND UPLIFT APPROVALS
Rhinobond	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika [®] (1,2)	Min 2" Sarnatherm (CG)	Optional(5)	Sikaplan [®] Fastened or Sarnafil [®] S327 (6)	45 psf	Field:	6 per 4' x 8' board	CSA A123.21 (specific test reports available upon request)
								Perimeter:	8 per 4' x 8' board	
								Corner:	14 per 4' x 8' board	
							60 psf	Field:	8 per 4' x 8' board	
								Perimeter:	12 per 4' x 8' board	
								Corner:	16 per 4' x 8' board	
Engineered	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika [®] (1,2)	Min 2" Sarnatherm (CG)	Optional(5)	Sikaplan [®] Fastened or Sarnafil [®] S327 (6)	45 psf	Field:	Sarnabar spaced 72" o.c. & fastened 12" o.c.	FM 4470 (specific roof Nav assemblies available upon request)
									Insulation/Cover Board fastened 1 per 4 sqft.	
								Perimeter:	Sarnabar spaced 48" o.c. & fastened 12" o.c.	
									Insulation/Cover Board fastened 1 per 4 sqft.	
								Corner:	Sarnabar spaced 36" o.c. & fastened 12" o.c.	
									Insulation/Cover Board fastened 1 per 4 sqft.	
							60 psf	Field:	Sarnabar spaced 72" o.c. & fastened 6" o.c.	
									Insulation/Cover Board fastened 1 per 4 sqft.	
								Perimeter:	Sarnabar spaced 48" o.c. & fastened 6" o.c.	
									Insulation/Cover Board fastened 1 per 4 sqft.	
								Corner:	Sarnabar spaced 36" o.c. & fastened 6" o.c.	
									Insulation/Cover Board fastened 1 per 4 sqft.	

For up to date and accurate information, please consult the current Product Data Sheet for all Sika products at www.sika.ca

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Certified ISO 9001 (CERT-0102780)
 Certified ISO 14001 (CERT-0102791)

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Sarnafast/ Inseam	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika [®] (1,2)	Min 2" Sarnatherm (CG)	Optional(5)	Sikaplan [®] Fastened or Sarnafil [®] S327 (6)	37.5psf	Field:	10' sheet: fastened 12" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	CSA A123.21 (specific test reports available upon request)
								Perimeter:	5' sheet: fastened 12" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	
								Corner:	Coverstrip (over fastener & plate attached 12" o.c.) between perimeter rows Insulation/Cover Board fastened 1 per 4 sqft.	
								Field:	10' sheet: fastened 6" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	
								Perimeter:	5' sheet: fastened 6" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	
								Corner:	Coverstrip (over fastener & plate attached 6" o.c.) between perimeter rows Insulation/Cover Board fastened 1 per 4 sqft.	
Sarnafast	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika [®] (1,2)	Min 2" Sarnatherm (CG)	Optional(5)	Sarnafil [®] S327 (6)	30 psf	Field:	6.56' sheet: fastened 18" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	FM 4470 (specific roof Nav assemblies available upon request)
								Perimeter:	6.56' sheet: fastened 12" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	
								Corner:	6.56' sheet: fastened 6" o.c. inseam Insulation/Cover Board fastened 1 per 4 sqft.	

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ADHERED SYSTEMS

SYSTEM	DECK ³	THERMAL BARRIER ⁴	VAPOUR RETARDER	INSULATION	COVER BOARD	MEMBRANE	FIELD OF ROOF PRESSURE	ZONES	ATTACHMENT	WIND UPLIFT APPROVALS	
Adhered - PARS - Mandatory Thermal Barrier Attached	Steel, Wood Plank, Plywood	Minimum 1/2" DensDeck Prime	Vapor Retarder SA 31 or SA 106	Min 2" Sarnatherm (CG) - maximum board size is 4ft. X 4ft.	Optional(5)	Sikaplan® Adhered or Sarnafil® G410 (6,7)"	35 psf	Field:	Thermal Barrier fastened at 1 per 4 sqft Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 12" o.c.	CSA A123.21 (specific test reports available upon request)	
								Perimeter:	Thermal Barrier fastened at 1 per 2.67 sqft Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 6" o.c.		
									Corner:		Thermal Barrier fastened at 1 per 1.33 sqft Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 4" o.c.
Adhered - PARS - Mandatory Thermal Barrier Attached	Steel, Wood Plank, Plywood	Minimum 1/2" DensDeck Prime	Vapor Retarder SA 31 or SA 106	Min 2" Sarnatherm (CG) - maximum board size is 4ft. X 4ft.	Optional(5)	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	50 psf	Field:	Thermal Barrier fastened at 1 per 2.67 sqft Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 12" o.c.		CSA A123.21 (specific test reports available upon request)
								Perimeter:	Thermal Barrier fastened at 1 per 1.78 sqft Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 6" o.c.		
									Corner:		
Adhered - PARS -Mandatory Cover Board	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika® (1,2)	Min 2" Sarnatherm (CG)	1/2" Sarnatherm HD or 1/4" DensDeck Prime	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	37.5 psf	Field:	Insulation Board fastened 1 per 4 sqft. Cover Board adhered with Sarnacol Low Rise Board Adhesive at 12" o.c.	CSA A123.21 (specific test reports available upon request)	
								Perimeter:	Insulation Board fastened 1 per 2.67 sqft. Cover Board adhered with Sarnacol Low Rise Foam at 12" o.c.		
									Corner:		

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Adhered - PARS - Mandatory Cover Board	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika® (1,2)	Min 2" Sarnatherm (CG)	1/2" Sarnatherm HD or 1/4" DensDeck Prime	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	35 psf	Field:	Insulation/Cover Board fastened 1 per 4 sqft.	CSA A123.21 (specific test reports available upon request)
								Perimeter:	Insulation/Cover Board fastened 1 per 2.67 sqft.	
								Corner:	Insulation/Cover Board fastened 1 per 1.33 sqft.	
Adhered - PARS - Mandatory Cover Board	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika® (1,2)	Min 2" Sarnatherm (CG)	1/2" DensDeck Prime	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	50 psf	Field:	Insulation/Cover Board fastened 1 per 4 sqft.	CSA A123.21 (specific test reports available upon request)
								Perimeter:	Insulation/Cover Board fastened 1 per 2.67 sqft.	
								Corner:	Insulation/Cover Board fastened 1 per 1.33 sqft.	
Adhered - PARS - No Cover Board	Structural Concrete, Steel, Wood Plank, Plywood	Optional	Any Sika® (1,2)	Min 2" Sarnatherm (CG)	No cover Board	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	40 psf	Field:	Insulation/Cover Board fastened 1 per 4 sqft.	CSA A123.21 (specific test reports available upon request)
								Perimeter:	Insulation/Cover Board fastened 1 per 2.67 sqft.	
								Corner:	Insulation/Cover Board fastened 1 per 1.33 sqft.	
Adhered - AARS - No Thermal Barrier Steel Deck	Steel	N.A.	"Vapor Retarder SA 31 or SA 106"	Min 2" Sarnatherm (CG) - maximum board size is 4ft. X 4ft.	Optional(5)	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	35 psf	Field:	Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 12" o.c.	CSA A123.21 (specific test reports available upon request)
								Perimeter:	Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 6" o.c.	
								Corner:	Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 4" o.c.	

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Adhered - AARS - Thermal Barrier Steel Deck	Steel	Minimum 1/2" DensDeck Prime	"Vapor Retarder SA 31 or SA 106"	Min 2" Sarnatherm (CG) - maximum board size is 4ft. X 4ft.	1/2" Sarnatherm HD or 1/4" DensDeck Prime	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	60 psf	Field:	Thermal Barrier with Sarnacol Low Rise Board Adhesive at 6" o.c. Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 12" o.c.	CSA A123.21 (specific test reports available upon request)
								Perimeter:	Thermal Barrier with Sarnacol Low Rise Board Adhesive at 6" o.c. Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 6" o.c.	
								Corner:	Thermal Barrier with Sarnacol Low Rise Board Adhesive at 6" o.c. Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 4" o.c.	
Adhered - AARS - Concrete Deck	Structural Concrete	N.A.	Vapor Retarder SA 31, SA 106 or TA 138	Min 2" Sarnatherm (CG) - maximum board size is 4ft. X 4ft.	Optional(5)	"Sikaplan® Adhered or Sarnafil® G410 (6,7)"	90 psf	Field:	Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 12" o.c.	FM 4470 (specific roof Nav assemblies available upon request)
								Perimeter:	Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 6" o.c.	
								Corner:	Insulation/Cover Board adhered with Sarnacol Low Rise Board Adhesive at 4" o.c.	

General Notes:

Contact Sika Technical for specific testing requirements. FM 4470 specific Roof Nav assemblies are also available for certain systems tested to CSA A123.21
 PARS = Partially Adhered Roof System (some components below the membrane are mechanically attached), AARS = All Adhered Roof System (All components are adhered)

Specific Notes:

- Vapor Retarder TA 138 only used on concrete decks
- Vapor Retarder SA 31 and SA 106 may require a min 1/2" Thermal Barrier except on concrete decks
- Structural Concrete (min. 3000 psi), Steel (min. 22Ga 33.4 KSI) , Wood Plank (min. 2"), Plywood (min. 3/4")
- Minimum Thermal Barrier is 1/2" DensDeck (Prime)
- Minimum Cover Board is 1/2" Sarnatherm HD Roof Board or 1/4" DensDeck (Prime)
- Minimum membrane thickness is 60 mil
- Sikaplan® Adhered (Feltback), Sarnafil® G410 (Feltback) with Sarnacol 2170R, 2170VC & 2121 adhesive or Sarnafil® G410 SA

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