

TECHNICAL BULLETIN

TARGET MARKET ROOFING



BUILDING TRUST



Subject: Edge and Perimeter Enhancements

15-11

The following is Sika Corporation – Roofing’s edge and perimeter securement requirements for adhered applications, when high wind speed warranties are specified. As noted below all changes are effective immediately.

Sarnafil Adhered Systems

Wind Speed	Minimum Edge Details	Perimeter Securement	Air Retarder Requirement
60	ES-1 Tested (1-1)	None	No
61 - 74	ES-1 Tested (1-1)	1 Sarnastop or 1 row Sarnadisc XPN; fastened 12" oc, 3 ft from edge with cover strip*	No
	High Wind 1-1A, 1-5, 1-6	None	No
75 - 99	ES-1 Tested (1-1)	1 Sarnastop or 1 row Sarnadisc XPN; fastened 12" oc, 3 ft from edge with cover strip*	No
	High Wind 1-1A, 1-5, 1-6	None	Yes (new construction or complete roof tear-off) No (re-cover of continuous roof, such as a BUR or Mod Bit)
	High Wind 1-1A, 1-5, 1-6	1 Sarnastop or 1 row Sarnadisc XPN; fastened 12" oc, 3 ft from edge with cover strip*	No (re-roof, the roof cover is removed or single-ply is slit)
100 -120	High Wind 1-1A, 1-5, 1-6	1 Sarnastop or 1 row Sarnadisc XPN; fastened 12" oc, 3 ft from edge with cover strip*	Yes (new construction or complete roof tear-off) No (re-cover of continuous roof, such as a BUR or Mod Bit)
	High Wind 1-1A, 1-5, 1-6	1 Sarnastop or 1 row Sarnadisc XPN; fastened 6" oc, 3 ft from edge with cover strip*	No (re-roof, the roof cover is removed or single-ply is slit)

* **Alternative securement:** In lieu of cover strips, a 5 ft wide Sarnafil S327 sheet may be used when properly adhered to the substrate and fastened with Sarnadisc XPN at either 6" or 12" oc as shown in the table. The adhered field sheet is hot air welded over the Sarnadiscs to the Sarnafil S327 sheet.

Notes

- Approved decks for wind speed warranties 75 and greater are limited to steel (22 ga min.), wood (min. 5/8 inch 5-ply plywood or 1-1/2" plank), or poured structural concrete.
- Perimeter securement required for roof heights 40 ft above ground level.
- Re-roof is removal of the roof cover leaving the insulation in place
- Membrane always to be secured at the base of parapet walls and other penetrations as per typical details.
- Systems with insulation and/or roof boards attached with asphalt will require additional securement, contact Sika – Roofing technical department.**

Sikaplan Adhered Systems

Wind Speed	Minimum Edge Details	Perimeter Securement	Air Retarder Requirement
46	Sikaplan Edge Details	None	No
47 - 60	ES-1 Tested (1-1)	None	No
61 - 99	Same as Sarnafil requirements**		

**** Alternative securement:** In lieu of cover strips, a 5 ft wide Sikaplan Fastened sheet may be used when properly adhered to the substrate and fastened with Sarnadisc XPN at either 12” oc as shown in the table. The adhered field sheet is hot air welded over the Sarnadiscs to the Sikaplan Fastened sheet.

Notes

1. Approved decks for wind speed warranties 75 and greater are limited to steel (22 ga min.), wood (min. 5/8 inch 5-ply plywood or 1-1/2” plank), or poured structural concrete.
2. Perimeter securement required for roof heights 40 ft above ground level.
3. Re-roof is removal of the roof cover leaving the insulation in place
4. Membrane always to be secured at the base of parapet walls and other penetrations as per typical details.
5. **Systems with insulation and/or roof boards attached with asphalt will require additional securement, contact Sika – Roofing technical department.**