

TECHNICAL BULLETIN

TARGET MARKET ROOFING



BUILDING TRUST



Subject: Wind Speed Warranty Requirements

15-11

The following is Sika Corporation – Roofing’s edge and coping details, 3 ft (91 cm) peel stop, and air retarder requirements as outlined within the warranted wind speeds below.

Membrane	Warranted Wind Speed ⁽⁷⁾	Min. Detail for Adhered or M-A Membranes	3 ft Peel Stop for Adhered Membranes	Air Retarder for Adhered or M-A Membranes
Sikaplan only	46	Sikaplan Details	No	No
Sikaplan and Sarnafil	47 - 74	ES-1 Tested or Sarnaclad 1-1	No	No
Sikaplan and Sarnafil	75 - 99	ES-1 Tested or Sarnaclad 1-1	Yes	No
		Sarnaclad High Wind 1-1A or Engineered Metal	No	No
Sikaplan and Sarnafil	100 - 110	Sarnaclad High Wind 1-1A	Yes	No ⁽⁵⁾
		Engineered Metal	No	No ⁽⁵⁾
Sikaplan and Sarnafil	111 - 120	Sarnaclad High Wind 1-1A or Engineered Metal	Yes	Yes ⁽⁵⁾
Sarnafil Engineered only	121 ≥	Engineered Metal	N/A	Yes ⁽⁵⁾

Notes

- 3 ft peel stop can be done with either Sarnastop or Sarnadisc XPN plates fastened 12" o/c (30.5 cm); covered with 8 in (20 cm) coverstrip welded on both sides.
- Sarnastop with PVC cord at base of wall is acceptable over non-penetrable decks or tapered applications.
- 3 ft peel stop required for ground level roof heights over 60 ft (18.3 m).
- Asphalt attached insulation and/or cover boards are limited to 46 – 99 mph windspeeds (75 - 99 mph requires the 3 ft peel stop).
- If a vapor retarder is not installed, 100 mph and greater requires all deck to wall/curb transitions including penetrations to be sealed.
- Approved decks for wind speed warranties 100 mph and greater are limited to steel (22 ga min.), wood (min. 5/8" 5-ply plywood or 1-1/2" plank), poured structural concrete, or LWIC in adhered applications. Gypsum and CWF decks can be accepted within adhered systems with acceptable pull tests and approval by Sika Technical.
- Hurricane prone regions may require additional requirements. Contact your local Regional Technical Manager.