

# TECHNICAL BULLETIN

## FOR TARGET MARKET ROOFING



BUILDING TRUST



**Subject: Sikaplan® Wind Warranty Requirements for Adhered and Mechanically Fastened Systems  
#15-3**

Sika will offer Sikaplan roofing warranty options for up to 20 years for the Sikaplan Adhered and Mechanically Fastened applications. Based on the type of warranty specified, Sikaplan Systems or Sikaplan Systems Plus, and including any wind speed requirements, we developed the following tables to provide guidance as to our minimum requirements.

### Sikaplan System Warranty

Wind Speed (MPH)	Termination Details	Insulation Attachment	Enhancements	
			Adhered	Mechanically Fastened
46	All Sikaplan or standard Sika Sarnafil details allowed	Standard insulation attachment per uplift	None	5 and 10 FT sheets
$47 \leq ws \leq 60$	Standard Sika Sarnafil details and Sikaplan details SP-1-1A; SP-1.1F; SP-2-1: SP-3-1	Standard insulation attachment per uplift	None	5 and 10 FT sheets approved by Regional Technical Manager
$61 \leq ws \leq 74$	Standard Sika Sarnafil details	Standard insulation attachment per uplift	None	5 and 10 FT sheets approved by Regional Technical Manager
$75 \leq ws \leq 99$	Standard Sika Sarnafil details	Standard insulation attachment per uplift	High wind edge detail	5 FT sheets approved by VP or Director of Technical Service

### Sikaplan System Plus Warranty

Wind Speed (MPH)	Termination Details	Insulation Attachment	Enhancements	
			Adhered	Mechanically Fastened
46	Standard Sika Sarnafil details and Sikaplan details SP-1-1A; SP-1.1F; SP-2-1: SP-3-1	Standard insulation attachment per uplift	None	5 and 10 FT sheets
$47 \leq ws \leq 60$	Standard Sika Sarnafil details only	Standard insulation attachment per uplift	None	5 and 10 FT sheets approved by Regional Technical Manager
$61 \leq ws \leq 74$	Standard Sika Sarnafil details only	Standard insulation attachment per uplift	1 bar	5 and 10 FT sheets approved by Regional Technical Manager
$75 \leq ws \leq 99$	Standard Sika Sarnafil details only	Standard insulation attachment per uplift	2 bars	5 FT sheets approved by VP or Director of Technical Service

The deck requirements for all wind speed warranties of 74 mph or greater shall meet the following criteria.

Deck Type	Minimum Requirements	Enhancements
Steel	22 ga	Continuous, sealed air barrier
Wood	5/8 inch 5 ply plywood sheathing, 1-1/2" plank	Continuous, sealed air barrier
Poured Concrete	3750 psi	Seal perimeters and penetrations
Cellular Concrete		Seal perimeters and penetrations
Concrete Planks, T's		Seal all joints, perimeters and penetrations

### Sikaplan Perimeter Fixation

Our requirement for perimeter securement on Sikaplan projects is a minimum of two 5 ft (1.5 m) perimeter sheets. Sika accepts the practice of allowing one single 5 ft (1.5 m) wide perimeter sheet with mechanically fastened systems and a 5 ft (1.5 m) wide perimeter area with RhinoBond systems **(to be done in conjunction with required RhinoBond fixation patterns for the field, perimeters, and corners)**. The following highlights criteria which must be met and followed.

- 1) Only to be used on **non FM insured** Sikaplan projects.
- 2) Only to be used on buildings with a maximum building height of up to 40 ft (12.2 m) regardless of the plan dimensions.
- 3) Only to be used on approved steel decks of 22 ga or heavier, structural concrete, or ½ in or greater plywood (plywood must be a minimum of 5 plies).
- 4) Only to be used on projects covered by Sikaplan System warranties (not applicable to Sikaplan System Plus warranties or greater than Gale Force winds).

It is up to the designer and/or the contractor to verify and/or confirm code compliance.

For further information regarding Sikaplan perimeter fixation, please contact Sika's technical department.