

# TECHNICAL BULLETIN

## FOR TARGET MARKET ROOFING



BUILDING TRUST



**Subject: Sikaplan® Details #15-1**

Sika Corporation – Roofing has developed 8 Sikaplan roofing details to address various wall and roof edge conditions as well as an expansion joint and clamping ring drain detail. These details are eligible for up to 20 year standard Sikaplan warranty coverage and are designed to be used only within Sikaplan roofing systems. Please [click here](#) to view the Sikaplan Adhered details and [click here](#) for the Sikaplan Fastened (mechanically-attached) details.

Four of the wall and edge details incorporate the new Sikaplan Termination Bar, a ¼ in. (19 mm) wide extruded aluminum termination bar with a preformed 45° lip. Please see the Sikaplan Termination Bar Product Announcement and Product Data Sheet for additional information.

**Sikaplan Wall and Edge Details (6 details)**

- Sikaplan Sarnaclad Metal Edge (SP-1-1A & SP-1-1F) – These details are used when a Sarnaclad metal fascia is installed at the roof edge. Detail SP-1-1A is used in a Sikaplan Adhered system and the Sikaplan roof membrane terminates beyond the face of the wood blocking. Sikaplan membrane is used to flash the horizontal flange of the Sarnaclad metal fascia to the roof. Detail SP-1-1F is used in a Sikaplan Fastened (mechanically-attached) system and the Sikaplan roof membrane is hot-air welded to the top of the Sarnaclad metal fascia.
- Sikaplan Edge Detail with Wood Blocking (SP-1-2) – This detail is used when the Sikaplan roof membrane terminates onto the outside edge of the roof into wood blocking. Prior to terminating the Sikaplan roof membrane, a strip of a minimum .032 aluminum or 24 gauge metal is set into Sikaflex®-1a sealant or Multi-Purpose Tape on the outside face of the wood blocking. The metal strip should extend 1 inch (2.5 cm) beyond the bottom of the wood blocking. Once the metal strip is set, a second application of Sikaflex-1a or Multi-Purpose Tape is applied onto the metal strip and the Sikaplan roof membrane is wrapped over the edge of the roof and into the Sikaflex-1a sealant or Multi-Purpose Tape. The Sikaplan Termination Bar is installed with the lip down to shed water. This detail is not acceptable for use at gutters.
- Sikaplan Wall/Edge Termination (SP-2-1) – This detail is used only on walls when the Sikaplan flashing membrane extends over the top of the wall and is terminated on the outboard side with a Sikaplan Termination Bar. The Sikaplan Termination Bar is installed with the lip down to shed water.

- Sikaplan Parapet Wall Termination (SP-3-1) – This detail is only for use on smooth, solid concrete and masonry parapet walls. The Sikaplan flashing membrane extends a minimum 8 inches (20.3 cm) up the wall and is terminated with the Sikaplan Termination Bar. Sikaflex-1a sealant or Multi-Purpose Tape is applied behind the top of the flashing membrane prior to the installation of the Sikaplan Termination Bar. The Sikaplan Termination Bar is fastened 12 inches (30.5 cm) on center. The lip of the Sikaplan Termination Bar is sealed with a bead of Sikaflex-1a sealant.
- Sikaplan Highwall Flashing (SP-3-2) – This detail is used when the Sikaplan flashing membrane is used to cover walls greater than 30 inches (76.2 cm) and up to 60 inches (1.5 m) in height. A Sikaplan Termination Bar is required at the midpoint of the wall height. For example, if the wall is 48 inches (1.2 m) in height, then the Sikaplan Termination Bar is installed 24 inches (61 cm) up the wall. Sikaflex-1a sealant or Multi-Purpose Tape is applied to the flashing membrane when the Sikaplan Termination Bar is installed. The Sikaplan Termination Bar is fastened 12 inches (30.5 cm) on center. The lip of the Sikaplan Termination Bar is sealed with a bead of Sikaflex-1a sealant. A cover strip is not required over the Sikaplan Termination Bar. For walls greater than 60 inches (1.5 m), please contact Sika’s Technical Department to determine the termination bar requirements.

#### **Sikaplan Expansion Joint Detail (SP-4-1)**

The Sikaplan roof membrane runs continuously over the expansion joint with adequate slack to accommodate anticipated joint movement and is fastened on both sides of the expansion joint. A foam rod tubing is centered over the joint and covered with a strip of Sikaplan membrane. The Sikaplan membrane cover strip must be wide enough to cover the fasteners and allow for hot-air welding to the Sikaplan roof membrane.

#### **Sikaplan Drain Detail (SP-6-1)**

The Sikaplan roof membrane runs into the roof drain assembly without the need for additional membrane securement around the perimeter of the drain sump. In a Sikaplan Adhered system, the Sikaplan membrane must be adhered to the tapered edge.

#### **Warranty**

The above Sikaplan roof details are for use only on standard Sikaplan warranted projects.