

## PRODUCT DATA SHEET

# Rhinobond Plate TPO

Fastening component for waterproofing membranes by induction welding and mechanically fastening of thermal insulation

### DESCRIPTION

Rhinobond Plate TPO is a specially designed polymer coated plate used with Sarnafasteners to attach Sikatherm® / Sarnatherm® insulation, gypsum roof boards, or other Sika approved boards directly to the roof deck or structural purlins prior to the installation of Sarnafil® or Sikaplan® membrane. The membrane is field welded to the Rhinobond Plate TPO by induction welding.

### USES

Used with Sarnafasteners when attaching Sarnafil® or Sikaplan® membrane direct to the roof deck.

Areas of Application

- New roof applications
- Reroof applications

### CHARACTERISTICS / ADVANTAGES

- Recessed center to provide protection to the membrane underside from abrasion by the fastener head.
- Zero penetrations of the roof cover.

### APPROVALS / STANDARDS

- Factory Mutual 4470

### PRODUCT INFORMATION

<b>Composition</b>	Metal plate with a polymer coating
<b>Packaging</b>	500 pcs per pail
<b>Appearance / Colour</b>	Gold Topside
<b>Shelf Life</b>	The product does not expire if properly stored.
<b>Storage Conditions</b>	Rhinobond Plate TPO must be stored in dry conditions, protected from direct sunlight.
<b>Dimensions</b>	Diameter: 80 mm Hole diameter: 6.8 mm Thickness: 0.8 mm

### SYSTEM INFORMATION

<b>System Structure</b>	Rhinobond Plate TPO is positioned on the surface of the insulation board. A Rhinobond Plate TPO is set through the center of the disc and set into the roof deck or purlin. The Rhinobond Plate TPO holds the insulation in
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place.

Ancillary products:

- Sarnafast® SBF-S-6.0 x L and SBF-6.0 x L
- Sarnafastener

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## APPLICATION INFORMATION

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**Ambient Air Temperature** -20 °C min. / +60 °C max.

**Substrate Temperature** -30 °C min. / +60 °C max.

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## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application

- Special measures may be compulsory for installation below + 5 °C ambient temperature due to safety requirements in accordance with national regulations
- Rhinobond Plate TPO must be protected from prolonged UV (ultra violet) sun exposure. Keep Rhinobond Plate TPO buckets covered when not retrieving plates. Installed Rhinobond Plate TPO must be covered with membrane by the end of each workday.

## ECOLOGY, HEALTH AND SAFETY

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

#### Application method

Rhinobond Plate TPO must be installed in accordance with the relevant Sika application manual and installation instructions.

The disc and the underside of membrane must be clean and dry, free of dust, dirt and damp prior to induction welding in place. The discs must not be installed embedded too deep or crooked into the insulation boards.

Rhinobond Plate TPO in combination with Sarnafastener / Sarnafast® SBF-(S)-6.0 x L fastener is used for the field fastening of waterproofing membranes by induction welding with simultaneous mechanical fastening of thermal insulation.

#### Induction welding tools

Recommended type of equipment:

- RhinoBond induction welder
- RhinoBond induction hand welder

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## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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