

## Sarnaweld® Disc 16.0 - TPO

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

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**Product Description** Sarnaweld® Disc 16.0 – TPO are round steel fastening discs with a green coloured hot melt adhesive coating that is for use with TPO membranes only. The discs are 80 mm in diameter with a 16.0 mm diameter hole in the centre, through which they are fastened with Sarnafast® SBF-(S)-6.0 and Sarnafast® Tube SBT-20 through the installed insulation board into the steel, concrete or plywood/OSB substrate below. Finally the TPO membrane is induction welded to the coated Sarnaweld® Disc.

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**Uses** Field fastening of waterproofing membranes and insulation by induction welding to the membrane and mechanically fastening with Sarnafast® SBF-(S)-6.0 x L fasteners and Sarnafast® Tubes SBT-20 x L.

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**Characteristics / Advantages**

- Lightweight
- Resistant against all common environmental influences
- Ease of application in use with recommended tools and equipment
- Corrosion resistant
- Recyclable

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### Tests

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**Approvals / Standards**

- Quality Management System EN ISO 9001/14001
- European Technical Approval ETA-08/0262
- Factory Mutual Class No. 4470

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### Product Data

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**Appearance** Surface: smooth, green coloured on the top side

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**Packaging/ Delivery** Stacked in packaging units of 200 pieces / box Article Nr. 472166

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### Storage

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**Storage Conditions** Sarnaweld® Disc 16.0 - TPO must be stored in dry conditions, protected from UV.

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**Shelf-Life** 15 months from date of production if stored properly in original, unopened and Undamaged, original sealed box. Expiry date on label.

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### Technical Data

<b>Material Basis</b>	Zinc plated steel
<b>Dimensions</b>	80 mm in diameter, hole diameter 16.0 mm, steel thickness 0.8 mm
<b>Corrosion Resistance</b>	15 cycles Kesternich test (concentration SFW 2.0 S in accordance with DIN 50018) according to ETAG 006 - D.3.1.

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### System Information

<b>System Structure</b>	Ancillary products: Sarnafast <sup>®</sup> SBF-S-6.0 x L and SBF-6.0 x L Sarnafast <sup>®</sup> Tube SBT-20 x L Sarnaweld <sup>®</sup> Cardboard Pad (essential for working with EPS insulation)
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### Installation Instructions

<b>Installation Method</b>	<p>Sarnaweld<sup>®</sup> Disc 16.0 - TPO must be installed in accordance with the relevant Sika application manual and installation instructions.</p> <p>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.</p> <p>Sarnaweld<sup>®</sup> Disc 16.0 - TPO in combination with Sarnafast<sup>®</sup> SBF-(S)-6.0 x L fastener and Sarnafast<sup>®</sup> Tubes SBT-20 x L is used for the field fastening of waterproofing membranes by induction welding with simultaneous mechanical fastening of thermal insulation.</p>
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### Notes on Installation / Limits

Installation works must be carried out only by Sika instructed contractors for roofing.

Temperature limits for the installation of Sarnaweld<sup>®</sup> Disc 16.0 - TPO:

Substrate temperature: -30 °C min. / +60 °C max.

Ambient temperature: -20 °C min. / +60 °C max.

Special measures may be compulsory for installation below + 5°C ambient temperature due to safety requirements in accordance with national regulations.

<b>Value Base</b>	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.
<b>Local Restrictions</b>	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.
<b>Ecology, Health and Safety Information</b>	A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring the product to the market, to transport or to use it. The product does not damage the environment when used as specified.
<b>REACH</b>	<p><b>European Community Regulation on chemicals and their safe use (REACH: EC 1907/2006)</b></p> <p>This product is an article within the meaning of Regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.</p> <p>Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).</p>
<b>Protective Measures</b>	Local safety regulations must be observed.
<b>Transportation Class</b>	The product is not classified as hazardous good for transport.
<b>Disposal</b>	The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

**Legal note:** 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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