

# Sarnafil® TG 66-15

## Polymeric membrane for roof waterproofing

Construction

<b>Product Description</b>	<p>Sarnafil® TG 66-15 (thickness 1.5 mm) is a multi-layer, synthetic roof waterproofing sheet based on premium-quality flexible polyolefin's (FPO), containing stabilizers, with inlay of glass non-woven according to EN 13956.</p> <p>Sarnafil® TG 66-15 is a hot air weldable, UV-resistant roof membrane, designed to use in all global climatic conditions. Sarnafil® TG 66-15 is produced with an inlay of glass non-woven for dimensional stability. Sarnafil® TG 66-15 is the Sarnafil® roof membrane used with the loose-laid ballasted systems and for detail work.</p> <p>Sarnafil® TG 66-15 has no built-in stress at the time of production and has a fully encapsulated carrier with no risk to delamination or water-wicking. The dimensional stability of Sarnafil® TG 66-15 is excellent.</p>
<b>Uses</b>	<p>Roof waterproofing membrane for roofs with ballast (e.g. gravel, concrete slabs, green roof) and / or exposed flat roofs:</p> <ul style="list-style-type: none"> <li>• Loosely laid and Ballasted roofs</li> <li>• Green roofs</li> <li>• Utility roofs</li> <li>• Inverted roofs</li> <li>• Roof waterproofing membrane for exposed roof junction zones:             <ul style="list-style-type: none"> <li>- Roof waterproofing for junctions and flashings, e.g. wall and parapet junctions, roof lights, etc., which are permanently exposed in installations of Sarnafil® TG 66-15 roof waterproofing systems with ballast.</li> <li>- Roof waterproofing for junctions and flashings in installations of all types of Sarnafil® TS 77 and TG 76 Felt exposed roof waterproofing systems.</li> </ul> </li> </ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"> <li>• Outstanding resistance to weathering, including permanent UV irradiation</li> <li>• Excellent flexibility in cold temperatures</li> <li>• No built in stress at the time of production</li> <li>• High dimensional stability</li> <li>• Excellent weldability</li> <li>• No risk of delamination or water wicking</li> <li>• Compatible to old bitumen</li> <li>• Recyclable</li> </ul>
<b>Approvals / Standards</b>	<p>Sarnafil TG 66-15 is designed and manufactured to meet most international recognised standards.</p> <ul style="list-style-type: none"> <li>• Polymeric sheets for roof waterproofing according to EN 13956, certified by notified body 1213-CPD-3914 and provided with the CE-mark.</li> <li>• Reaction to fire according to EN 13501-1.</li> <li>• Official Quality Approvals and Agreement Certificates and approvals.</li> <li>• Monitoring and assessment by approved laboratories.</li> <li>• Quality Management system in accordance with EN ISO 9001/14001.</li> </ul>



<b>Appearance / Colours</b>	Surface:	matt
	Colours:	
	Top surface:	beige grey (nearest RAL 7040)
	Bottom surface:	black
<b>Packaging</b>	Sarnafil® TG 66-15 standard rolls are wrapped individually in a blue PE-foil.	
	Packing unit:	up to 27 rolls per pallet
	Roll length:	20.00 m
	Roll width:	2.00 m
	Roll weight:	60.00 kg
<b>Storage Conditions / Shelf-Life</b>	Rolls must be stored in a horizontal position on pallet and protected from direct sunlight, rain and snow. Product does not expire if correctly stored.	

## Technical Data

<b>Product Declaration</b>	EN 13956	
<b>Visible defects</b>	Pass	EN 1850-2
<b>Length</b>	20 (-0 / +5 %) m	EN 1848-2
<b>Width</b>	2 (-0.5 / +1 %) m	EN 1848-2
<b>Straightness</b>	≤ 30 mm	EN 1848-2
<b>Flatness</b>	≤ 10 mm	EN 1848-2
<b>Effective thickness</b>	1.5 (-5 / +10 %) mm	EN 1849-2
<b>Mass per unit area</b>	1.5 (-5 / +10 %) kg/m <sup>2</sup>	EN 1849-2
<b>Water tightness</b>	Pass	EN 1928
<b>Effects of liquid chemicals, including water</b>	On request	EN 1847
<b>Reaction to fire</b>	E	EN ISO 11925-2, classification to EN 13501-1
<b>Joint shear resistance</b>	≥ 500 N/50 mm	EN 12317-2
<b>Water vapour transmission properties</b>	μ = 150'000	EN 1931
<b>Tensile stress</b>		EN 12311-2
<b>longitudinal (md)<sup>1)</sup></b>	≥ 9 N/mm <sup>2</sup>	
<b>transversal (cmd)<sup>2)</sup></b>	≥ 7 N/mm <sup>2</sup>	
<b>Elongation</b>		EN 12311-2
<b>longitudinal (md)<sup>1)</sup></b>	≥ 550 %	
<b>transversal (cmd)<sup>2)</sup></b>	≥ 550 %	
<b>Resistance to impact</b>		EN 12691
<b>hard substrate</b>	≥ 800 mm	
<b>soft substrate</b>	≥ 1000 mm	
<b>Resistance to static load</b>		EN 12730
<b>soft substrate</b>	≥ 20 kg	
<b>rigid substrate</b>	≥ 20 kg	
<b>Resistance to root penetration</b>	Pass	EN 13948
<b>Dimension stability</b>		EN 1107-2
<b>longitudinal (md)<sup>1)</sup></b>	≤  0.2  %	
<b>transversal (cmd)<sup>2)</sup></b>	≤  0.1  %	
<b>Foldability at low temperature</b>	≤ -30 °C	EN 495-5
<b>UV exposure</b>	Pass (> 5000 h)	EN 1297
<b>Exposure to bitumen<sup>3)</sup></b>	Pass	EN 1548

<sup>1)</sup>md = machine direction

<sup>2)</sup>cmd = cross machine direction

<sup>3)</sup>Sarnafil® T is compatible to old bitumen

---

## System Information

---

### System Structure

Wide range of accessories is available e.g. prefabricated parts, roof drains, scuppers, protection sheets and separation layers.

The following materials are strongly recommended:

Sarnafil® T 66-15 D Sheet for detailing  
Sarnafil® T Metal Sheet  
Sarnabar  
Sarnafil® T Welding Cord  
Sarnafil® T Prep / Sarnafil® T Wet Task Set  
Sarnacol® T 660  
Solvent T 660  
Sarnafil® T Clean

---

### Application Details

---

#### Substrate Quality

The substrate surface must be uniform, smooth and free of any sharp protrusions or burrs, etc.

The supporting layer must be compatible to the membrane, solvent resistant, clean, dry and free of grease and dust. Metal sheets must be degreased with Sarnafil® Cleaner before adhesive is applied.

---

### Application Conditions / Limits

---

#### Temperature

The use of Sarnafil® TG 66-15 membrane is limited to geographical locations with average monthly minimum temperatures of -50 °C.  
Permanent ambient temperature during use is limited to +50 °C.

---

#### Compatibility

Sarnafil® TG 66-15 may be installed on all thermal insulations and levelling layers suitable for roofing. No additional separation layer is required. Probably a fire protection layer is necessary.

Sarnafil® TG 66-15 is suitable for installation directly on top of existing, carefully cleaned, level bituminous roofing, e.g. re-roofing over old flat roofs.

Colour changes in membrane surface may occur in case of direct contact with bitumen.

In case of existing roof build up needs to be removed, Sarnafil® TG 66-15 can be adhered directly on to the bituminous vapour control layer for partitioning and protection of the day work.

---



<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>Ecology, Health and Safety Information</b>	Product is non hazardous and not classified as dangerous goods for transportation.
<b>Protective Measures</b>	Fresh air ventilation must be ensured, when working (welding) in closed rooms. Use protective equipment when welding
<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.
<b>Important Notification</b>	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.</p> <p>PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.</p>

# Construction



**Sika Australia Pty Limited**

Tel : 1300 22 33 48

[www.sika.com.au](http://www.sika.com.au)