

PRODUCT DATA SHEET

Sarnafil® T 66-15 D

Polymeric detailing sheet for Sarnafil® T roof waterproofing membranes

DESCRIPTION

Sarnafil® T 66-15 D is an unreinforced multi-layer, synthetic roof waterproofing sheet based on flexible polyolefins (FPO). Sarnafil® T 66-15 D is a hot air weldable, UV-resistant roof detailing membrane.

USES

Detailing sheet for Sarnafil® T roof waterproofing membranes:

- Welded to the installed Sarnafil® T roof waterproofing membranes

CHARACTERISTICS / ADVANTAGES

- Resistant to permanent UV exposure
- Resistant to most common environmental influences
- Resistant to micro organisms
- Resistant to old bitumen
- Hot air welding without use of open flame
- Can be applied on either side as both surfaces have a different colour

PRODUCT INFORMATION

Packaging	Sarnafil® T 66-15 D rolls are wrapped individually in blue PE-foil.	
	Roll length	20.00 m
	Roll width	0.50 m
	Roll weight	15.00 kg
Appearance / Colour	Surface	matt
	Colours	
	Top surface	white
	Bottom surface	grey
Shelf Life	5 years from date of production.	
Storage Conditions	Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +30 °C. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	
Visible Defects	Pass	(EN 1850-2)
Length	20.00 m (-0 % / +5 %)	(EN 1848-2)
Width	0.50 m (-0.5 % / +1 %)	(EN 1848-2)
Effective Thickness	1.5 mm (-5 % / +10 %)	(EN 1849-2)
Mass per Unit Area	1.5 kg/m ² (-5 % / +10 %)	(EN 1849-2)

TECHNICAL INFORMATION

Reaction to Fire	Class E	(EN ISO 11925-2, classification to EN 13501-1)
Effect of Liquid Chemicals, Including Water	On request	(EN 1847)
Exposure to Bitumen	Pass ¹⁾ <small>¹⁾ Sarnafil® T is compatible to old bitumen</small>	(EN 1548)
Resistance to UV Exposure	Pass (> 5000 h / grade 0)	(EN 1297)
Water Vapour Transimission	$\mu = 150\ 000$	(EN 1931)
Water Tightness	Pass	(EN 1928)
Flexibility at Low Temperature	$\leq -30\ ^\circ\text{C}$	(EN 495-5)

APPLICATION INFORMATION

Ambient Air Temperature	-20 °C min. / +60 °C max.
Substrate Temperature	-30 °C min. / +60 °C max.

SYSTEM INFORMATION

System Structure	The following products must be considered for use depending on roof design: <ul style="list-style-type: none">▪ 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
Compatibility	Sarnafil® T 66-15 D may be installed on all thermal insulation types and levelling layers suitable for roofing. No additional separation layer is required. A fire protection layer maybe necessary. Sarnafil® T 66-15 D is suitable for installation directly on top of existing, cleaned, level bituminous roofing, e.g. re-roofing over old flat roofs. Colour changes in membrane surface may occur if in direct contact with bitumen. If existing roof build up needs to be removed, Sarnafil® T 66-15 D can be adhered directly on to the bituminous vapour control layer for partitioning and protection of the day work.

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.

FURTHER INFORMATION

Installation

- Installation Instructions: Sarnafil® T roof systems

IMPORTANT CONSIDERATIONS

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

- The use of Sarnafil® T 66-15 D membrane is limited

to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.

- The use of some ancillary products such as adhesives, cleaners and solvents is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets.
- Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.
- Sarnafil® T 66-15 D is not allowed to be used as a roof waterproofing membrane to cover the whole flat roof area.

ECOLOGY, HEALTH AND SAFETY

Fresh air ventilation must be ensured, when working (welding) in closed rooms.

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 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. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

EQUIPMENT

Hot welding overlap seams

Electric hot air welding equipment, such as hand held manual hot air welding equipment and pressure rollers or automatic hot air welding machines with controlled hot air temperature capability of a minimum 600 °C.

Recommended type of equipment:

Manual: Leister Triac

Automatic : Sarnamatic 661/681

Semi-automatic: Leister Triac Drive

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

Installation procedure

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Reference must be made to the Installation Instructions: Sarnafil® T roof systems.

Fixing Method

Perimeter mechanical fixing:

Sarnabar including Sarnafil® T Welding Cord which must be used to keep the membrane in place.

Adhered roof junction areas and flashings:

Sarnafil® T 66-15 D is adhered to substrate layers such as concrete, render, timber panels, metal sheets, etc. use contact adhesive Sarnacol® T 660.

Overlap seams:

Seams are hot welded using specialised hot air equipment. The effective width of welded overlaps must be a minimum of 20 mm.

Hot welding method

Overlap seams must be welded by electric hot welding equipment. Welding parameters including temperature, machine speed, air flow, pressure and machine settings must be evaluated, adapted and checked on site according to the type of equipment and the climatic conditions prior to welding.

Testing overlap seams

The seams must be mechanically tested with screw driver or steel needle to ensure the integrity/completion of the weld. Any imperfections must be rectified by hot air welding.

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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