

Sarnafil® T 66-15 D

Detailing sheet for Sarnafil® T/TC roof waterproofing membranes

Product Description	Sarnafil® T 66-15 D is an unreinforced multi-layer, synthetic roof waterproofing sheet based on premium-quality flexible polyolefins (FPO).
Uses	Detailing sheet for roof waterproofing membranes based on Sarnafil® TG/TCG/TS/TCS: <ul style="list-style-type: none">■ Welded to the installed Sarnafil® roof waterproofing membranes
Characteristics / Advantages	<ul style="list-style-type: none">■ Outstanding resistance to weathering, including permanent UV irradiation■ High resistance to ageing■ High resistance to hailstones■ Resistant to all common environmental influences■ Excellent flexibility in cold temperatures■ Outstanding weldability■ Sarnafil® T 66-15 D can be applied both-way, as one side is beige and the other side grey (RAL 7040)■ Recyclable
Approval / Standards	<ul style="list-style-type: none">■ Reaction to fire according to EN 13 501-1■ Quality Management system in accordance with EN ISO 9001/14001
Appearance / Colours	Surface: matt Colours: Top surface: beige grey (nearest RAL 7040) Bottom surface: beige grey (nearest RAL 7040)
Packaging	Sarnafil® T 66-15 D rolls are wrapped individually in blue PE-foil. Packing unit: 20 rolls per pallet Roll length: 20.00 m Roll width: 0.50 m Roll weight: 15.00 kg
Storage Conditions / Shelf-Life	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.

Roofing



Technical Data

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
Water tightness	Pass	EN 1928
Effects of liquid chemicals, including water	On request	EN 1847
Reaction to fire	Class E	EN ISO 11925-2, classification to EN 13501-1
Water vapour transmission properties	$\mu = 150'000$	EN 1931
Foldability at low temperature	$\leq -30\text{ }^{\circ}\text{C}$	EN 495-5
UV exposure	Pass (> 5'000 h)	EN 1297
Exposure to bitumen¹⁾	Pass	EN 1548

¹⁾ Sarnafil® T is compatible to old bitumen

System Information

System Structure Ancillary products according to local price list:

- Sarnafil® T Metal Sheet
- Sarnabar
- Sarnafil® T Welding Cord
- Sarnafil® T Prep / Sarnafil® Seam Prep Kit
- 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 before adhesive is applied.

Application Conditions / Limits

Temperature The use of Sarnafil® T 66-15 D membranes 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® T 66-15 D 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® T 66-15 D 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® T 66-15 D can be adhered directly on to the bituminous vapour control layer for partitioning and protection of the day work.

Installation Instructions

Installation Method / Tools

Installation procedure:

According to the valid installation instructions of manufacturer for Sarnafil® T/TC roof systems.

Fixing Method:

Mechanical fixing at the roof perimeter with Sarnabar including Sarnafil® T Welding Cord is obligatory to keep membrane in place.

Adhered roof junction areas and flashings:

Sarnafil® T 66-15 D is adhered to substrate layers such as reinforced concrete rendering, timber panels, metal sheets, etc. by contact adhesive Sarnacol® T 660. Seam overlaps are welded by hot air.

Welding Method:

Before welding the seams are prepared with Sarnafil® T Prep. Overlap seams are welded by electric hot air welding equipment, such as manual hot air welding machines and pressure rollers or automatic hot air welding machines with controlled hot air temperature.

Recommended type of equipment: Leister Triac PID for manual welding
Sarnamatic 661^{plus} for automatic welding

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 situation prior to welding. The effective width of welded overlaps by hot air should be minimum 20 mm.

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

Notes on Installation / Limits

Installation works must be carried out only by Registered Sarnafil T/TC Trained Contractors.

Temperature limits for the installation of the membrane:

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

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

Installation of some ancillary products, e.g. contact adhesives/thinners is limited to temperatures above +5 °C. Please refer to the respective Product Data Sheets.

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

Roofing

Value Base	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.
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.
Ecology, Health and Safety Information	The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.
Protective Measures	Fresh air ventilation must be ensured, when working (welding) in closed rooms. Regulatory safety requirements must be observed.
Transportation Class	The product is not classified as hazardous good for transport.
Disposal	The material is recyclable. Any disposal must be in accordance with regulatory requirements.

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. Any protective rights or existing laws and provisions must be followed by the recipient or processor of our products at their own responsibility. Moreover our general terms and conditions of sale and guarantee are valid.



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