BUILDING TRUST

PRODUCT DATA SHEET

Sikaplan® D-15

PVC detailing sheet for Sikaplan® G, Sikaplan® SGK and Sikaplan® SGmA roof waterproofing membranes

PRODUCT DESCRIPTION

Sikaplan® D-15 is a polyvinyl chloride (PVC), unreinforced, multi-layer, synthetic roof waterproofing detailing sheet.

USES

Sikaplan® D-15 is used for:
- Detailing for Sikaplan® G, Sikaplan® SGK and Sikaplan® SGmA roof waterproofing membranes

Please note:
- The Product must not be used in regions with average monthly minimum temperatures lower than -30 °C. Permanent ambient temperature during use must not be higher than +50 °C.

CHARACTERISTICS / ADVANTAGES

- Very good resistance to UV exposure
- Resistant to many common environmental influences
- Hot air weldable without use of open flames
- Good mechanical resistance
- Flexible in cold temperatures
- Can be applied on either side as both surfaces have a different colour
- **IMPORTANT** Requires named reference to an established recycling programme for post-consumer PVC that is easily accessible for > 65 % of customers and that feeds post-consumer recycling material to production of new products. Delete if no such recycling programme is available.Recyclable through [named] recycling program

PRODUCT INFORMATION

Packaging	Roll length	20 m
	Roll width	1 m
	Roll weight	38 kg
	Refer to the current price list for available packaging variations.	
Shelf Life	60 months from date of production	
Storage Conditions	The Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +30 °C. Store in a horizontal position. 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.	
Appearance / Colour	Surface	Smooth
	Top surface colour	Light grey (~ RAL7047) Lead grey (~ RAL 7011)
	Bottom surface colour	Light grey (~ RAL7047) Lead grey (~ RAL 7011)
Visible Defects	Pass	

Length	20.0 m (+1.0 m / -0 m)	(EN 1848-2)
Width	1.00 m (+0.01 m / -0.005 m)	(EN 1848-2)
Effective Thickness	1.5 mm (+0.15 mm / -0.075 mm)	(EN 1849-2)
Mass per unit area	1.9 kg (+0.19 kg / -0.095 kg)	(EN 1849-2)

TECHNICAL INFORMATION

Foldability at Low Temperature	≤ -25 °C	(EN 495-5)
Water Tightness	Pass	(EN 1928)
Water Vapour Transimission	μ = 20 000	(EN 1931)
UV Exposure	Pass (> 5 000 h / grade 0)	(EN 1297)
Reaction to Fire	Class E	(EN 13501-1)

APPLICATION INFORMATION

Ambient Air Temperature	Maximum	+60 °C
	Minimum	-20 °C
Substrate Temperature	Maximum	+60 °C
	Minimum	-30 °C

SYSTEM INFORMATION

System Structure	▪ Sikaplan® Metal PVC ▪ Sika® Trocal Cleaner-2000 ▪ Sika® Trocal Cleaner L-100 ▪ Sika® Trocal C-733
Compatibility	Not compatible with direct contact to other plastics, such as EPS, XPS, PUR, PIR or PF. Not resistant to tar, bitumen, oil and solvent containing materials.

VALUE BASE

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

FURTHER DOCUMENTS

- Installation instructions: Application manual Sikaplan® G Types

ECOLOGY, HEALTH AND SAFETY

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 this 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
- Automatic hot-air welding machines with controlled hot-air temperature capability of a minimum +600 °C

Recommended equipment:

Manual	Leister Triac
Automatic	Sarnamatic, Varimat
Semi-automatic	Leister Triac Drive

SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up.
The complete roof system must be designed and secured against wind uplift loadings.
The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, free of grease, bitumen, oil, dust and loose surface sand or gravel dressing.
The Product must be separated from any incompatible substrates or materials by an effective separation layer to prevent accelerated ageing.
The supporting layer must be compatible to the membrane, solvent resistant, clean, dry and free of grease and dust.

APPLICATION

IMPORTANT
Strictly follow installation procedures
Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.
IMPORTANT
Application by trained personnel
The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.
Application below +5 °C
Note: Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.
Note: Installation of ancillary products such as contact adhesives or cleaners is limited to temperatures above +5 °C. Refer to the corresponding Product Data Sheets.
Refer to the following installation instructions:

- Installation instructions: Application manual Sikaplan® G Types

FIXING METHOD
Weld the detailing membrane to the installed PVC roof waterproofing membrane.
HOT-WELDING OVERLAP SEAMS
Overlap seams must be welded by electric hot-welding equipment. Prior to 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 conditions. The effective width of overlaps welded by hot air must be a minimum of 20 mm.
TESTING OVERLAP SEAMS

1. Mechanically test seams with a rounded-edge screwdriver to ensure the integrity and completion of the weld.
2. Rectify any imperfections using hot-air welding.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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