

PRODUCT DATA SHEET

Sikaplan® Metal PVC

Metal sheets and coils laminated with Sikaplan® PVC roofing membrane

PRODUCT DESCRIPTION

Sikaplan® Metal PVC is a galvanised steel sheet laminated with 0,8 mm Sikaplan® S Polyvinyl chloride (PVC) roof waterproofing membrane.

USES

Production of profiles for perimeter flashing, junctions, fastening and anchorage.

- Sikaplan® PVC roof waterproofing membrane systems.

CHARACTERISTICS / ADVANTAGES

- Resistant to UV exposure
- Can be cut and shaped either on site or in metal workshop
- Sikaplan® S lamination is hot air weldable

PRODUCT INFORMATION

Chemical Base

Top layer:	polyvinyl chloride (PVC)
Bottom layer:	galvanised steel (quality DX51D Z275), additionally coated with grey lacquer

Packaging

Sikaplan® Metal Sheet

packing unit	30 sheets per pallet	30 sheets per pallet
length	2,00m	3,00 m
width	1,00 m	1,00 m
weight	5,70 kg/m ² (+/- 8 %)	5,70 kg/m ² (+/- 8 %)
weight per sheet	11,40 kg (+/- 8 %)	17,10 kg (+/- 8 %)

Sikaplan® Metal Sheet Coil

packing unit	1 coil per pallet	4 coils per pallet
length	300,00 m	30,00 m
width	1,00 m	1,00 m
weight	5,70 kg/m ² (+/- 8 %)	5,70 kg/m ² (+/- 8 %)
weight per coil	1710,00 kg (+/- 8 %)	171,00 kg (+/- 8 %)

Appearance / Colour

Colour:

Top surface:	light grey, slate grey
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. 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.

Thickness

Sikaplan® lamination	0,80 mm (-0,040 mm / +0,080 mm)
Galvanised metal	0,60 mm (+/- 0,060 mm)

Effective Thickness

1,40 mm (-0,100 / +0,140 mm)

SYSTEM INFORMATION

System Structure

The following products must be considered for use depending on roof design:

Sikaplan® G / VG / VGWT
Sikaplan® S
Sikaplan® SG
Sikaplan® SGK
Sikaplan® SgmA
Sikaplan® 18 D

Compatibility

Top surface PVC lamination is not resistant to tar, bitumen, oil and materials containing solvents. These materials could adversely affect the product properties.

APPLICATION INFORMATION

Ambient Air Temperature

-20 °C min. / +60 °C max.

Substrate Temperature

-30 °C min. / +60 °C max.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

Processing Tools

The cutting tools must be sharp to provide a precise edge. When folding Sikaplan® Metal PVC sheets or coils to the required profiled shape, the bending radius must be 3 times the flashing thickness. Excessive edge pressure could damage the lamination.

Fixing

Secure the Sikaplan® Metal PVC sheet or coil at the minimum fixing distances in accordance with the local specified design requirements.

Joining

The Sikaplan® Metal PVC sheet or coil must be positioned and fixed maintaining a gap of at least 3 mm to 5 mm at the butt ends as expansion opening. A self adhesive tape in width of 30 mm to 40 mm shall be applied over the expansion opening to cover each profile end. Each side of the joint shall then be waterproofed by welding of an unreinforced PVC sheet strip in width of 100 mm, prior to the installation of Sikaplan® PVC roof waterproofing area.

LIMITATIONS

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

- Ensure Sikaplan® Metal PVC sheets and coils are prevented from direct contact with incompatible materials (refer to compatibility section)
- The use of Sikaplan® Metal PVC is limited to geographical locations with average monthly minimum temperatures of -30 °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

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.

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

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).

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.

TECHNICAL ENQUIRIES

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