

## PRODUCT DATA SHEET

SikaShield® P24 MG 4,5 kg/m<sup>2</sup>

(formerly Davco® SK Fastorch)

## POLYESTER REINFORCED WATERPROOFING MEMBRANE



## DESCRIPTION

SikaShield® P24 MG 4,5 kg/m<sup>2</sup> is a prefabricated roofing membrane for the protection, repair and restoration of all types of roofs, gutters and structures.

## USES

- Reroof and new construction roof for commercial and residential.
- Foundation waterproofing.
- Dome shaped roofs.
- Bridge & Viaducts.
- Under floor waterproofing.
- Rooftop gardens.
- Patio decks

## CHARACTERISTICS / ADVANTAGES

- Quick, simple, easy and inexpensive application.
- Only one layer is required, thus reducing roof load and installation cost.
- Can easily be maintained and repaired.
- Can be exposed directly to sun thus eliminating need for protective coating, concrete or tiles.
- No kettle or hot asphalt required.
- No height restriction on application.

SikaShield® P24 MG 4,5 kg/m<sup>2</sup> is flexible. When compared to regular asphalt, one can readily realize the benefits of the membrane.

*MINERAL SURFACE*

The top layer which is exposed to the sun is treated with small coloured granules for the mineral-finish. These granules are factory applied during production, thus assuring minimal loss throughout the life of the roof. The treated surface offers:

- Excellent protection from U.V.
- Eliminates need for coating or covering the top with concrete/ tiles, thus reducing roof load and extra expense.

*MODIFIED ASPHALT*

The asphalt is mixed with highly compatible modifiers to provide the membrane with better aging characteristics, and higher resistance to cold and hot temperatures.

*POLYESTER CORE*

The core of SikaShield® P24 MG 4,5 kg/m<sup>2</sup> is reinforced with a non woven polyester mat which stretches up to 30%. Similar glass felts offer a maximum of 2% elasticity. This feature allows the membrane to accommodate thermal shocks and excessive roof movements.

*BURN OFF FILM*

A thin burn off film is factory applied during production. This film acts as heat gauging device. The applicator can watch the heat reaction of the film and therefore visually gauge the application temperature.

## APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 3428

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                        |         |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Packaging</b>           | Roll width                                                                                                                                                                                                                                                                                                             | 1.0 m   |
|                            | Roll length                                                                                                                                                                                                                                                                                                            | 10.0 m  |
| <b>Appearance / Colour</b> | Modified Asphalt                                                                                                                                                                                                                                                                                                       | APP     |
|                            | Surface Finish                                                                                                                                                                                                                                                                                                         | Mineral |
|                            | Colours                                                                                                                                                                                                                                                                                                                | Green   |
| <b>Shelf Life</b>          | 12 months from date of production                                                                                                                                                                                                                                                                                      |         |
| <b>Storage Conditions</b>  | Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost. Store in a vertical 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. |         |

## TECHNICAL INFORMATION

|                                       |                                   |                       |                              |
|---------------------------------------|-----------------------------------|-----------------------|------------------------------|
| <b>Tensile Strength</b>               | >3 N/mm <sup>2</sup>              |                       | (ASTM D 412 : 2006 Method A) |
| <b>Elongation at Break</b>            | 40 %                              |                       | (ASTM D 412 : 2006 Method A) |
| <b>Dimensional Stability</b>          | Avg Linear Change                 | 0.07 % (Longitudinal) | (SS 374 : 1994<br>(2017))    |
|                                       |                                   | 0.05 % (Transverse)   |                              |
| <b>Tear Strength</b>                  | <b>Tear Resistance</b><br>> 150 N |                       | (EN 12310-1)                 |
| <b>Water Vapour Transimission</b>     | 0.03 g / m <sup>2</sup> / 24 hr   |                       | (ASTM E 96/E 96M : 05)       |
| <b>Heat Deflection Temperature</b>    | <b>Heat Stability</b><br>120 °C   |                       | (EN 1110)                    |
| <b>Softening Point</b>                | ~150 °C                           |                       | (ASTM D 36 - 76)             |
| <b>Flexibility at low temperature</b> | 0 °C                              |                       | (EN 1109)                    |

## 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.

## ECOLOGY, HEALTH AND SAFETY

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

### APPLICATION METHOD / TOOLS

#### STEP 1:

Clean surface and prime with Sika® Igoflex®-130.

#### STEP 2:

Begin from low point of roof to high. Application should begin in the valleys and work up hill to avoid backwater laps.

#### STEP 3:

Unroll the membrane fully and allow side laps, reroll halfway and begin torching. Allow 4" lap joints along the roll edges and 5" on roll ends and transverse joints.

#### STEP 4:

Pass the torch flame from side to side until the burn off film begins to fully melt. Move the roll at this time. **DO NOT OVER HEAT.**

#### STEP 5:

The granulated surface at the roll edges or end laps should be scrapped off to provide for a smooth surface.

#### STEP 6:

Recheck the seams to assure a minimal of 3 mm bitumen outflow for water tight integrity.

## APPLICATION

On a smooth, dry and greasefree deck or surface, apply a layer of Sika® Igolflex®-130. After drying, torch SikaShield® P24 MG 4,5 kg/m<sup>2</sup> whilst rolling and pressing onto the substrate. Head overlap has to be 12 cm and edge 10 cm, the use of a trowel to seal the overlap is necessary. Refer to safety data sheet.

## 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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### Product Data Sheet

SikaShield® P24 MG 4,5 kg/m<sup>2</sup>  
September 2025, Version 02.02  
020920011990001694

SikaShieldP24MG45kgm-en-SG-(09-2025)-2-2.pdf