

PRODUCT DATA SHEET

Sika® BituSeal P-4

BITUMINOUS WATERPROOFING MEMBRANE MADE OF A SPECIAL GRADE OF BITUMEN MODIFIED WITH POLYMERS AND NON-WOVEN POLYESTER FLEECE WHICH ACTS AS THE INTERNAL REINFORCEMENT.

DESCRIPTION

Bituminous Waterproofing Membrane

made of a special grade of bitumen modified with polymers and Non-woven Polyester fleece which acts as the internal reinforcement.

USES

- Roofing or re-roofing works for sloped and flat protected roofs.
- Applications subject to moderate mechanical stress.
- Waterproofing for wet areas, mechanical rooms and terraces.
- Waterproofing of underground structures.

CHARACTERISTICS / ADVANTAGES

- Reinforcement provides the membrane with dimensional stability and moderate mechanical properties.
- Good U.V resistance.
- Compatible with all types of bituminous waterproofing systems.
- Improved chemical resistance to acidic and alkaline solutions.
- Polyester reinforcement provides the membrane with tensile strength, tear resistance and elongation.
- Enhanced thermal resistance under a wide range of temperature fluctuation,

APPROVALS / CERTIFICATES

Conforms to ASTM D 5 – D36 – D 5147 – D 4073 / UNI 8202.

PRODUCT INFORMATION

Composition	Bitumenous
Packaging	Roll size: 1.0 m (roll width) x 10.00 m (roll length).

Appearance / Colour	Rolled sheet membrane, reinforced. Surface: smooth Membrane thickness: 4.00 mm Colour: Black Upper surface: covered with Polyolefin film. Lower surface: laminated with Polyolefin film.
Shelf life	24 months from the production date
Storage conditions	Rolls should be stored in an upright position in a flat properly ventilated and protected against direct sunlight, rainwater, snow and ice etc.
Width	5.100 kg./ m2 (according to UNI 8202/23)
Effective Thickness	4.00 mm (according to UNI 8202/23)

TECHNICAL INFORMATION

Tensile Strength	850 N/ 5 cm (according to ASTM D-5147) 600 N/ 5 cm (according to ASTM D-5147)
Elongation	≥45% (according to ASTM D-5147) ≥50% (according to ASTM D-5147)
Tear Strength	160 N (according to EN-12310) 180 N (according to EN-12310)
Joint Shear Resistance	Longitudinal 600 N/ 5 cm (according to UNI 8202/30) Transverse 450 N/ 5 cm (according to UNI 8202/30)
Water Vapour Transmission	40'000 μ (according to UNI 8202/23)
Watertightness	Less than 0.15% (according to ASTM D-5147 & UNI 8202/22)

APPLICATION INFORMATION

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

In-situ concrete:

Clean, sound, smooth and dry, homogeneous, free from oils and grease, dust and loose or variable particles.

APPLICATION METHOD / TOOLS

The application of BituSeal-P4 by using a propane torch or by mechanical fastening.

The application of the membranes can be applied to the substrate fully bonded, semi bonded or loose laid in accordance with the waterproofing system for membrane installations.

According to the surface conditions, a primer coat of Sika Bitumen-W maybe required. Side laps should be from 8 –10 cm while end laps should be from 12–15 cm.

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.

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

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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

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