

PRODUCT DATA SHEET

Sika® Black Jack®-903 Bitumen Trowel Mastic

Heavily-filled, fibre reinforced, trowel applied bitumen

PRODUCT DESCRIPTION

Sika® Black Jack®-903 Bitumen Trowel Mastic is a trowel-applied, black, heavily-filled bituminous compound with added fibres for reinforcement. The product forms a surface skin, but the mass below remains soft to allow for moderate movement. Suitable for sealing and filling holes in mastic asphalt, roofing felt, corrugated iron, metal guttering and downpipes.

USES

Mainly used for:

- Waterproofing, stopping, bedding, bonding and sealing.
- Adheres to/fills holes in: mastic asphalt, roofing felt, corrugated iron, cast iron, fibre cement, slates, lead, copper, zinc, concrete and timber.

CHARACTERISTICS / ADVANTAGES

- Fast drying.
- Fibre-reinforced.
- Suitable for use with all bituminous surface coatings.
- Remains flexible for long periods after application.

PRODUCT INFORMATION

Chemical Base	Bitumen in white spirit, gas oil.
Packaging	1 L, 2.5 L, 5 L tins.
Colour	Black.
Shelf Life	24 months from date of manufacture in unopened and undamaged containers.
Storage Conditions	Contains a flammable solvent and all precautions against fire must be taken during storage. Store between +5 and +25 °C.
Density	ca. 1.45 g/cm ³ at +20 °C.

TECHNICAL INFORMATION

Chemical Resistance	Resistant to: most salt solutions, dilute acids and alkali, and water. Not resistant to: oils, solvents and some detergent solutions. If not sure, check first in an inconspicuous area.
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Service Temperature	-10 °C to +50 °C.
Flow resistance	Will not flow or sag within service temperature limits.

APPLICATION INFORMATION

Yield	At 2 mm wet thickness: Approx. 0.5 m ² per L.
Ambient Air Temperature	+5 °C to +40 °C. Surfaces must be free from ice and water.
Substrate Temperature	+5 °C to +40 °C. Surfaces must be free from ice and water.
Drying time	24 hours to develop a surface skin, the mass below remaining plastic for many months.

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.

LIMITATIONS

- Do not use in areas where subsequent solvent contact is likely.
- Avoid inhalation of vapours in confined spaces.
- Do not apply to damp surfaces.
- Allow sufficient drying time before overcoating.
- Only overpaint with black bituminous products - the mastic may bleed through other coatings.
- As the manufacturer cannot know all the uses its products may be put to, it is the user's responsibility to determine suitability for use. If in doubt, contact the Technical Services Department for advice.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be dry, stable and thoroughly cleaned to remove all traces of dirt, dust and grease. Wet surfaces should be brushed free from water and wiped with a dry cloth to remove any moisture which remains. Stick down loose felt etc. with Black Jack® 904 Roof Felt Adhesive. Metal surfaces should be wire-brushed to remove rust. Where long-term protection is required an initial treatment of a rust-inhibitive product such as red lead or zinc phosphate should be used. Loose or blistered paint should be removed, as should tar-based paint systems. New galvanised surfaces should be roughened with a wire brush or treated with a proprietary etch primer. Where there is green growth present, clean surfaces with Sika® Mouldbuster as directed, before proceeding. To assist in cold weather application,

store the material in a warm room overnight prior to use.

APPLICATION

Sika® Black Jack®-903 Bitumen Trowel Mastic is ready for use and should not be thinned. Apply by steel trowel or putty knife.

CRACKS AND HOLES

Force the compound into the crack, but finish with a 25 mm band at a 3 mm thickness running the length of the crack. For large cracks and holes, apply the compound over the area to be treated and embed a closely woven glass fibre membrane into the compound to overlap the crack or hole by 50 mm. Allow to dry and then apply a second coat, fully covering the reinforcing membrane.

CORRUGATED IRON/FIBRE CEMENT SHEETING

Tighten loose hook bolts and trowel around with mastic. Remove loose screws, re-bed screws and washers in Sika® Black Jack®-903 Bitumen Trowel Mastic and tighten. Top seal in further mastic and trowel to a smooth finish. If the sheet is cracked, clean and prime with Black Jack®-902 Bitumen and Flashing Primer and apply a bandage strip of glass fibre embedded in the mastic. When dry, overcoat with Black Jack®-902 Bitumen and Flashing Primer followed by Black Jack®-901 Bitumen Paint. Use the same technique for sealing side and end laps in corrugated sheeting.

TILES

Point up butt edges of ridge tiles, fillets and slates with Sika® Black Jack®-903 Bitumen Trowel Mastic.

LEAD AND ZINC

Trowel over cracks and pinholes, where necessary, reinforcing with a woven glass membrane, fully embedded and covered.

FELT

Re-adhere loose felt using Black Jack®-904 Roof Felt adhesive. Apply Sika® Black Jack®-903 Bitumen Trowel Mastic and overcoat with Black Jack®-905 All Weather Roof Coating. Note: felt must be completely dry before applying the mastic.

CLEANING OF TOOLS

All tools should be cleaned immediately after use with Sika® Wonder Wipes or white spirit. Any spillage should be wiped off surfaces before the bitumen has set.

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.

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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