

PRODUCT DATA SHEET

Sika® Black Jack®-904 Bitumen Roof Felt Adhesive

Bitumen-based adhesive used to bond roof felt

PRODUCT DESCRIPTION

Sika® Black Jack®-904 Bitumen Roof Felt Adhesive is a cold applied, oxidised bitumen based adhesive used to bond roofing felt to most surfaces. Specifically designed for bonding all types of roofing felt to metal, concrete, wood, sealing felt laps and as a cold gritting solution for bonding mineral chippings.

USES

- Bonding all types of roofing felts to metal, concrete, roofing felt, wood.
- Sealing roofing felt laps.
- Bonding chippings to final layer of felt.

CHARACTERISTICS / ADVANTAGES

- High bond strength.
- Also suitable for gritting.
- Flexibility - provides a tough but flexible film which hardens and softens with changing temperatures.

PRODUCT INFORMATION

Chemical Base	Oxidised bitumen in hydrocarbon.
Packaging	1, 2.5, 5 and 25 L tins.
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. 0.9 - 1.0 g/cm ³ +20 °C.
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.
Yield	As Roof Felt Adhesive: Approx. 1.3 - 1.6 m ² per L. As Gritting Adhesive: Approx. 3 mm Chips – 1.4 m ² per L. Approx. 10 mm Chips – 1.1 m ² per L.
Ambient Air Temperature	+10 °C to +25 °C. Surfaces must be free from ice and water.

Substrate Temperature

+10 °C to +25 °C. Surfaces must be free from ice and water.

Drying time

24 hours depending on drying conditions.

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.
- On timber roof structures, the first layer of felt must be nailed down. Then the second and third layers may be bonded with Sika® Black Jack®-904 Bitumen Roof Felt Adhesive.
- Always test compatibility before use.
- As the manufacturer cannot know all the uses their 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. Repair cracks and holes using Black Jack® 903 Bitumen Trowel Mastic, 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. Concrete, cement and other porous surfaces should be primed using Black Jack® 902 Bitumen & Flashing Primer and allowed to dry. Where there is green growth present, clean surfaces with Sika® Mould-buster as directed, before proceeding.

APPLICATION

Stir product thoroughly before use and during use. Sika® Black Jack®-904 Bitumen Roof Felt Adhesive should be brush or mop applied to the surface and left "open" for 15 to 30 minutes (depending upon drying

conditions) in order to develop its full tackiness. The felt should be placed into the wet adhesive film carefully, rubbing or rolling each section down to ensure maximum contact with the adhesive and ensuring that all air has been excluded. The felt should then be weighted down until the felt has adhered to the surface. Whenever possible, the felt should be unrolled into the adhesive and rolled home with a lighter roller (approx. 25 kg).

AS A LAP CEMENT

Laps at the edges should be at least 75 mm wide and laps at roll ends should be at least 150 mm. Laps and final edges should be liberally treated on their underside with Sika® Black Jack®-904 Bitumen Roof Felt Adhesive and well compacted.

TIMBER ROOFS

On timber roof structures, the first layer of felt must be nailed down. The second and third layers may be bonded with Sika® Black Jack®-904 Bitumen Roof Felt Adhesive.

CONCRETE AND LIGHTWEIGHT CONCRETE SCREEDS

As they are often extremely porous, these surfaces will require a priming coat to ensure successful adhesion of Sika® Black Jack®-904 Bitumen Roof Felt Adhesive. Prime with Black Jack®-902 Bitumen and Flashing Primer. It is essential that the primer has completely dried before the first layer of felt is applied.

AFTERCARE

24 hours after laying, check all bonding to ensure that full adhesion has been obtained. Particularly check all laps; if in doubt, press home or roll any felt that appears to be lacking full adhesion.

AS A COLD-GRITTING SOLUTION

Sika® Black Jack®-904 Bitumen Roof Felt Adhesive is suitable for use as a gritting solution for roofs with up to a 10 ° slope. The roof surface should be clean and free from dirt, dust and all loose debris. The surface should be preferably dry although the product may be applied to damp, but not wet or waterlogged, surfaces. The compound should be spread evenly direct from the container in convenient areas of 20 m² at a time. Do not allow the film to form a puddle or become too thin. The chippings should be applied immediately into the wet film. Care should be taken not to over-chip and to ensure that the chippings cover the film shoulder-to-shoulder. Leave the completed surface dressing for at least 72 hours and then lightly brush off any excess chippings. Do not leave any black film exposed.

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.

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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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



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