

PRODUCT DATA SHEET

EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING

Solvent based, full-bodied bitumen compound with added fibres for reinforcement

PRODUCT DESCRIPTION

EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING is a solvent based, full-bodied, black, brushable bitumen compound with added fibres for reinforcement. It is an effective general purpose roof coating that is resistant to wash off by rain almost immediately, and is therefore ideally suited for winter use. The product is specifically designed for general waterproofing in all roofing applications, guttering (non plastic) and structural steelwork. Dries to a tough black coating.

USES

EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING may be applied by brush to waterproof and re-seal many different types of roof coverings, including:

1. Asphalt roofs.
2. Built-up felt roofs.
3. Concrete roof decks.
4. Asbestos-Cement sheeting.
5. Metal sheeting, including iron, steel, zinc and lead.
6. Slates, tiles.

EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING may be used in conjunction with a rot-proof hessian reinforcement scrim or bitumen coated glass fibre scrim such as a glass membrane.

EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING may also be used as a vapour barrier on walls and roofs.

PRODUCT INFORMATION

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| Packaging | 5 L & 25 L tins |
| Shelf Life | Storage life 24 months in tightly sealed undamaged containers. |
| Storage Conditions | EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING contains a |

CHARACTERISTICS / ADVANTAGES

- Fast drying.
- Fibre reinforced.
- Weatherproof.
- Unaffected by water immediately after application - can be applied when rain is imminent.
- Can also be used to bond felt.
- Brush applied.

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|--------------------------------|---|
| Type Of Solvent | White spirit |
| Flashpoint | ca. +40 °C |
| Application Temperature | +5 °C to +30 °C. Surfaces must be free from ice and water |
| Heat Flow Resistance | The cured film will not sag or flow under normal conditions |

flammable solvent, and all normal precautions against fire must be taken during both storage and use. Store in original container in cool (+5 °C to +25 °C) dry conditions. Keep away from sources of ignition.

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|---------------------|--|
| Colour | Black |
| Density | ca. 1.0 g/cm ³ at +20 °C |
| Service Temperature | -10 °C to +85 °C |
| Chemical Resistance | Resistant to: most salt solutions, dilute acids and alkalis, water. Not resistant to: oils, solvents and some detergent solutions/glass cleaning solutions. |
| Reaction to Fire | Wet product is flammable, dry film will burn |

APPLICATION INFORMATION

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|-------------|--|
| Yield | 1.25 m ² per litre per coat depending on porosity of substrate. Two coats should give a dried film of approximately 0.9 mm. |
| Drying time | 24 hours depending on drying conditions. Allow 24 hours between coats. |

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.

LIMITATIONS

- Do not apply to damp or wet areas. Use BLACK JACK® ROOFING EMULSION instead.
- Do not use in areas where subsequent solvent contact is likely.
- Do not use in silage pits.
- Avoid inhalation of vapours in confined spaces.
- Allow sufficient drying time between coats.
- The product may bleed through any paints subsequently applied over it. Apply a primer recommended by the paint manufacturer before overpainting.

ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

No roof coating product can be expected to repair an existing roof that is not structurally sound and stable. Before using a surface coating the roof structure should be inspected and, if necessary, put in order. All cracked, broken, slipped or missing slates, tiles, sheets or other forms of covering should be replaced or re-fixed, and cracks in felt or asphalt filled.

Safety Recommendation: do not coat roof lights, windows, glass or translucent sheets. These will constitute a hidden hazard if disguised.

Preparation of the surface is of great importance and will influence the degree of adhesion and life of the renovation. All roof surfaces to be coated should be sound, stable and clean, i.e. free from loose debris, dirt, dust and grease. All traces of algae and fungal

growth should be removed using a stiff bristle brush. Where algae and fungi have been present, remove them completely and treat the surface with EVERBUILD® 404 FUNGICIDAL WASH to kill any remaining spores, thereby discouraging return of growth.

APPLICATION

Note: These instructions follow the recommendations of the National Federation of Roofing Contractors Code of Practice governing the use of Liquid Coatings for Roof Waterproofing.

Ensure you stir the product well before use.

ASPHALT ROOFS

On asphalt roofs where blisters have occurred, these should be heated with a blow lamp until soft and then smoothed out. If the asphalt is crumbling or badly cracked it must be removed and replaced with a polyester based underlay and bonded to the roof deck. EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING should be applied by brush in 2 coats, the first being allowed to dry before the second is applied.

BUILT-UP FELT ROOFS

Remove any loose chippings and carry out the preparatory work detailed above. Minor marks and defects will be effectively filled and covered by EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING, but where these are wider than 0.75 mm they should first be filled with BLACK JACK® BITUMEN MASTIC and the mastic allowed to dry.

Blisters in roofing felt should be opened out, cleaned with a stiff bristle brush and coated with EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING at 1.25 square metres per litre. This coating should be allowed to set until it is "tacky" and then the felt should be re-fixed by bonding it down.

In each case, further coats of EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING and a glass fibre membrane should then be applied.

REINFORCED CONCRETE

Carry out preparatory work. New decks should first be allowed to cure and then primed using BLACK JACK® BITUMEN AND FLASHING PRIMER at 4-6 square metres per litre (rate depending upon porosity).

LIGHTWEIGHT CONCRETE

Carry out preparatory work. Allow the concrete roof deck and topping screed to cure. A glass fibre felt underlay should be partially bonded to the surface using BLACK JACK® ROOF FELT ADHESIVE. The felt should be lapped, sealed and adequate ventilation provided for the materials beneath it. EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING and a glass fibre membrane should then be applied.

ASBESTOS-CEMENT SHEETING

Carry out preparatory work. It is particularly important to ensure that the Asbestos-Cement is not saturated with water before protective coating commences. Wait until the Asbestos-Cement sheeting is dry and then apply two coats of EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING, each at 1 m² per litre, allowing the first coat to dry before application of the second.

METAL SURFACES

Where these show signs of corrosion such as loose rust this should be removed by abrading with a metal-bristled brush. A rust inhibitive treatment such as Zinc Phosphate Primer should be applied to ensure that the rust does not return. In normal circumstances, abrading with a brush is usually sufficient preparation. EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING should be applied in 2 coats at 1.25 square metres per litre per coat.

SLATES AND TILES

Carry out preparatory work. The roof should be examined for damaged or loose slates or tiles. Any loose slates or sheets should be re-fixed firmly in place. EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING and a glass fibre membrane should then be applied.

ALL WEATHER ROOF COATING AND SCRIM TREATMENTS

In order to bridge gaps, cracks and fissures and in all cases where roof surfaces are in advanced states of decay, it is recommended that EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING be used in conjunction with a reinforcing membrane, either rot-proof hessian or, preferably, a glass fibre membrane. Having ensured that the surface is clean and receptive to the coating product, apply a first coat at one square metre per litre. Immediately apply the glass fibre membrane into wet EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING film, using a brush charged with further EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING. Ensure that complete con-

tact is achieved and that no air is trapped beneath the membrane.

The glass fibre membrane should be lapped by 50 to 75 mm and the inside of each lap should be painted with EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING. Small gaps and differences in levels should be bridged ensuring that the glass fibre membrane is not pulled too tightly across the gap so that any movement in the structure will be accommodated.

At walls and parapets, continue the glass fibre membrane and EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING sandwich vertically for at least 150 mm and secure using self-adhesive flashing (150 mm width) allowing 75 mm to be in contact with the brickwork above. Apply a second coat of EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING and allow this to dry.

FINAL SURFACE

It is beneficial to the coating, and to the rest of the roof structure, to give a final solar reflective finish using BLACK JACK® SOLAR REFLECTIVE PAINT. An exposed black bituminous surface should be avoided on a pitched or flat roof. When using EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING a third and final coat should be preferably applied at 1.25 square metres per litre and, while the film is still "tacky", well blinded with 1 to 20 mm (7 to 14 mesh) stone chippings or clean sharp sand. Alternatively, wait for a minimum of 3 days, preferably 2 weeks, then apply a solar reflective coating using BLACK JACK® SOLAR REFLECTIVE PAINT.

VAPOUR BARRIER

When insulating material is placed on a flat roof deck it is essential to prevent condensation water vapour from entering the insulation. If this is allowed to happen it can damage the insulation. Two coats of EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING, the first applied at one square metre per litre, the second at 1.25 square metres per litre, will help prevent this. EVERBUILD® BLACK JACK® 905 ALL WEATHER ROOF COATING should be applied to the "warm side", with care being taken to avoid pin holes and imperfections in the coating. When dry, the insulation may be applied over it.

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 Product Data Sheet for exact product data and uses.

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
EVERBUILD® BLACK
JACK® 905 ALL
WEATHER ROOF
COATING
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