

## PRODUCT DATA SHEET

# Sika® Black Jack®-908 D.P.M.

Ready to use, effective damp proof membrane

### PRODUCT DESCRIPTION

Sika® Black Jack®-908 D.P.M. is a ready to use rubber enriched bitumen emulsion which provides a highly effective sandwich damp proof membrane for floors. Also acts as a waterproofer for walls, above ground structures and foundations. Sika® Black Jack®-908 D.P.M. is also suitable as an adhesive for wood block and mosaic panels, insulation boards, expanded polystyrene, cork and as a plaster bonding agent, even on difficult surfaces.

### USES

Commonly used in the following areas:

- Providing sandwich damp-proof membranes for floors.
- General waterproofing: - fibre/cement, render, plaster etc.
- For waterproofing structures such as bridge abutments, retaining walls and culverts.
- For fixing wood blocks and wooden mosaic flooring.
- As a bonding agent for plastering difficult substrates such as glazed tiles.
- For fixing insulation boards, expanded polystyrene and cork slabs.
- As a curing agent for concrete.

### CHARACTERISTICS / ADVANTAGES

- Forms an impervious water and water vapour barrier on most surfaces.
- Internal or external use.
- May also be used as an adhesive or bonding aid.
- Low hazard - water clean up.
- Low odour once cured.

### APPROVALS / STANDARDS

Conforms to Clause 2004:4 Specification for Highway Works.

### PRODUCT INFORMATION

Chemical Base	Bitumen enhanced by rubber in water based emulsion.
Packaging	5 L and 25 L tins.
Colour	Dries Black.
Shelf Life	24 months from date of manufacture in unopened and undamaged containers.
Storage Conditions	Store between +5 and +25 °C. PROTECT FROM FROST.
Density	ca. 1.0 g/cm <sup>3</sup> at +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.

## Service Temperature

-10 °C to +85 °C.

## APPLICATION INFORMATION

### Yield

Floors: 5 L will cover 6-6.5 m<sup>2</sup> per coat.  
25 L will cover 30-32.5 m<sup>2</sup> per coat.  
Walls: 5 L will cover 10 m<sup>2</sup> per coat.  
25 L will cover 50 m<sup>2</sup> per coat.

### Ambient Air Temperature

+5 °C to +50 °C. Surfaces must be free from ice.

### Substrate Temperature

+5 °C to +50 °C. Surfaces must be free from ice.

### Drying time

4 - 6 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 apply when rain is imminent (within 5 hours of application).
- Protect from rain and frost until cured (the coating may be assumed to be dry when rubbing with a wet finger does not produce a brown stain).
- Do not use in areas where subsequent solvent contact is likely.
- 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.
- This product will not provide a replacement for a DPC. Ideally, it should be used in conjunction with one.
- Gloss paints and other oil or alkyd based paints must not be used directly over a surface treated with Sika® Black Jack®-908 D.P.M.
- 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.

## SUBSTRATE PREPARATION

**STIR WELL BEFORE USE.** The product is brown in colour but dries black. Before applying, ensure all surfaces are clean, touch dry (free from excess water), sound and free from any contaminants, which may affect adhesion. Base concrete must be finished off with

a wooden float to give a smooth surface. Tamped surfaces are not suitable owing to the difficulty of ensuring adequate coating over the high spots. Prime porous surfaces with SikaBond® SBR+ diluted 1:4 with water and allow to dry. See SikaBond® SBR+ for coverage. All phases of the installation should comply with BS Code of Practice 102: 1973 - protection of Buildings from the Ground/Section 3.

## APPLICATION

### DAMP-PROOFING FLOORS

Apply by brush, a minimum of 2 coats, each at 0.8 L/m<sup>2</sup>, carrying the treatment up the walls to join the existing wall DPC. Allow the first coat to dry before applying the second coat at right angles to the first. When dry, a sand/cement or concrete screed of approximately 50 mm thick is then laid over the Sika® Black Jack®-908 D.P.M..

### WATERPROOFING WALLS

If a condition of rising damp exists, the best form of treatment is the insertion of a damp proof course. Where dampness is due to penetration of the wall, proceed as follows:

#### a) Exterior walls:

Level uneven surfaces with cement mortar. Apply 3 coats of Sika® Black Jack®-908 D.P.M. with a soft bristle brush, each at a rate of 0.5 L/m<sup>2</sup>, allowing each coat to dry before applying the next. Allow the final coat to become tacky, then blind with clean, sharp sand.

#### b) Interior walls (moderately damp):

Remove wallpaper, loose emulsion/gloss paint and any dust or grease. Make good any damaged or perished plaster. Lightly dampen the prepared surface and apply 3 coats of Sika® Black Jack®-908 D.P.M. with a soft bristle brush, each at a rate of 0.5 L/m<sup>2</sup>, allowing each coat to dry before applying the next. A horizontal strip running 300 mm deep should be left uncoated at the top running the whole length of the wall. This permits trapped moisture to escape by evaporation.

#### c) Interior walls (very damp):

Wherever possible, very damp walls should receive an external treatment such as waterproof render/masonry paint etc. If this is not possible, the following procedure may benefit - although it must be emphas-

ised that only adequate external treatment will cure the most severe conditions. Hack away old plaster from the entire area. Damage to joints or brickwork must be made good with cement mortar. When the mortar has dried, apply 3 coats of Sika® Black Jack®-908 D.P.M. with a soft bristle brush, each at a rate of 0.5 L/m<sup>2</sup>, allowing each coat to dry before applying the next. When the final coat has thoroughly dried, the wall should be replastered.

#### DECORATING

Gloss paints and other oil or alkyd based paints must not be used over a surface treated with Sika® Black Jack®-908 D.P.M. Where Sika® Black Jack®-908 D.P.M. has been used over plaster, it is recommended that a lining paper, fixed with cellulose paste, should be hung. This will provide a suitable surface for emulsion paints and for wallpapering. NOTE: Vinyl coated papers or paper backed vinyls should NOT be hung over Sika® Black Jack®-908 D.P.M..

#### WATERPROOFING STRUCTURES

Sika® Black Jack®-908 D.P.M. will provide a waterproof membrane on bridge abutments, retaining walls, culverts, concrete or brick foundations. It also acts as a curing membrane when applied to green concrete. The surface should be sound and free from dust, dirt and grease. Hot, very dry or absorbent surfaces should be dampened with water. Apply 2 coats of Sika® Black Jack®-908 D.P.M. each at a rate of 0.5 L/m<sup>2</sup>.

#### FIXING WOOD BLOCKS AND MOSAICS

For fixing wood blocks of 12 mm thickness and above, dip the bottom face of each block into the material and place into position immediately. Coverage is approximately 1.1 L/m<sup>2</sup>. For fixing wood mosaic panels, spread Sika® Black Jack®-908 D.P.M. onto the surface at 0.8 L/m<sup>2</sup> and place the panels into position immediately. A minimum of 24 hours should be allowed before sanding/trafficking. Where under floor heating is incorporated into the sub floor the heating must be turned off for at least 48 hours before, and until 48 hours after, tiling. NOTE: On low porosity or non-porous surfaces, allow Sika® Black Jack®-908 D.P.M. to partially dry before placing the wood mosaics/blocks into position. In most circumstances a period of 30-40 mins will suffice, but do not allow to dry off completely. Under no circumstances should such floorings be laid on existing floor coverings.

#### PLASTER/RENDER BONDING/KEYING

When a "keyed" surface is required (plastering onto glazed tiles, gloss painted walls and bricks, or to bond sand/cement renders) apply two coats of Sika® Black Jack®-908 D.P.M. each at a minimum rate of 0.25 L/m<sup>2</sup>. Allow the first coat to dry before applying the second, and blind the second coat with clean sharp, dry, sand. Allow at least 48 hours before plastering or rendering (at least 6 mm thickness). NOTE if gloss or

alkyd paints are to be used as a decorative finish, the plaster over the Sika® Black Jack®-908 D.P.M. must be applied in two coats to give a minimum total thickness of 15 mm.

#### FIXING INSULATION BOARD, EXPANDED POLYSTYRENE AND CORK SLABS.

Surfaces should be clean, level and free from dust or loose matter. A coat should be applied to the porous base and the insulation material placed whilst the Sika® Black Jack®-908 D.P.M. is still wet. If necessary, the boards should be supported until the Sika® Black Jack®-908 D.P.M. has set.

#### CLEANING OF TOOLS

All tools should be cleaned immediately after use with soap and water or Sika® Wonder Wipes. Use white spirit if the material has dried.

#### 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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#### Product Data Sheet

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