

Code	Description	Size	Colour
36696	Blackjack Bituminous Liquid Waterproofer	1 litre	Black
36688	Blackjack Bituminous Liquid Waterproofer	4 litre	Black
36689	Blackjack Bituminous Liquid Waterproofer	20 litre	Black

1. Description

BlackJack is a water based high performance ready to use, cold applied, high build liquid waterproofing membrane based on polymer modified bitumen emulsion. BlackJack forms a seamless, highly elastic and durable film that adheres well to most of the common substrates e.g. concrete, cement blocks, wood, existing roof felts. BlackJack is highly resistant to chlorides and sulphates commonly present in the soil.

2. Characteristics

- Single component, ready to use.
- Easy to use.
- Non-flammable and Non-toxic
- Applicable immediately after removal of the formwork.
- Resistant to chlorides & sulphates usually present in the soil.
- Environment friendly

3. Technical Data

Appearance	Thixotropic black emulsion, dries to black
Specific Gravity	1.04 +/- 0.01
Non-volatile content	50-55%
pH	8.0 – 10.0
Coverage	1st Coat = 500ml / m2 2 nd Coat = 500ml / m2 Cats applied at 90° to each other
Drying Time	1–3 hours
Full dry	3–4days

** These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.*

PROPERTIES OF DRY FILM	
Water vapour permeability (ASTM E96)	>0.24g/m2/24hrs
Elongation at break (ASTM D412)	>300%
Resistance to water (ASTM D2939)	No Blistering or re-emulsification
Protection of buildings against Ground water	As per BS 102 Code of practice
Curing membrane	ASTM C 309:1998

4. Applications

- Waterproofing of concrete and block foundations, retaining walls, basements and wet areas such as kitchen, toilet floors and balconies.
- Damp proof membrane in sandwich panel constructions
- Curing membrane and protective coating for sub structure
- Facade damp proofing

5. Packaging

1 Lt, 4Lt, 20Lt (net content)

6. Shelf Life

Shelf life of the product is 12 months from the date of manufacturing provided it is stored in unopened factory packed drums.

7. Building Product Information

Manufactured By Soudal Ltd
Distributed By Soudal Ltd

Relevant Building Code Clauses

- B2 Durability: Performance clause B2.3.1-(a) not less than 50 years
- E2 External Moisture: Performance clause E2.3.3
- F2 Hazardous Building Materials: Performance clause F2.3.1

Contribution to compliance With NZBC

Performance B2.3.1 (a) 50 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 50 years, or more, when installed and maintained in accordance with the relevant Soudal product technical literature. soudal.co.nz. The product has been tested to confirm that it has a vapour flow resistance of '>24g/m2/24hrs'. This product has performed successfully in New Zealand since it was introduced and has similar characteristics and properties to other bituminous emulsions that have been widely used in NZ for many years.

Performance E2.3.3: This product will meet the E2.3.3 weather-tightness requirements. The product has been BRANZ tested to confirm that it has a vapour flow resistance of '>24g/m2/24hrs'.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Soudal Product Technical Data sheet and product Safety Data Sheet soudal.co.nz for further information if required.

8. Application Instructions

Surface Preparation

State: All surfaces should be sound, clean and free of contaminants. Absorbent surfaces e.g. concrete should preferably be dampened with water. In kitchens, toilets and other wet areas all the openings should be properly sealed. On all weak points such as cracks or around the pipes use a woven fibreglass mesh as reinforcement between the two coats of Black Jack.

Preparation: Taking time to clean and properly prepare the surface will ensure you get the best results. Previous coats must be completely dry before application. Remove all loose dirt and gravel with a broom or blower. Brush clean all cracks, holes and rust with a wire brush. Clean: Warm water and soap immediately after use.

Soudal recommends preliminary compatibility tests.

Application

Method: BlackJack can be applied by brush, roller or squeegee. Hot, dry or very porous substrate should be dampened with clean water prior to application of BlackJack. When two or more coats are required, ensure that the preceding coat is fully dry before applying the successive coat, which should be applied at right angle to preceding coat. BlackJack also acts as a non-degradable curing membrane; hence it may be applied immediately after the removal of mould, to the concrete structure, which has no aesthetic value such as the sub structure of the building. **BlackJack is not suited for high UV exposure and must be painted over if using above ground.**

Application Rate: For damp proofing/vapour barrier 1st Coat 1.22m²/litre 2nd Coat 1.1m²/litre For waterproofing membrane barrier 1st Coat 1.1m²/litre 2nd and 3rd Coat 1.0m²/litre Application temperature: Always apply on a clear, warm sunny day. For best results apply in the morning hours. Product will benefit from the sun's warmth and drying ability. Temperatures must be above 13°C and rising, but not above 43°C. Never apply if rain or inclement weather is forecasted within 36 hours. DO NOT ALLOW PRODUCT TO FREEZE.

Clean: Warm water and soap immediately after use. Kerosene or white spirits may be used to remove dried product.

Note: Coating will need positive pressure after application to make it work successfully.

Limitations

- If there is too much moisture in the substrate (although feels dry to the touch) this may cause the Blackjack Bituminous Membrane to reconstitute back to a “wet membrane”.
- Between applications of coats, each coat needs to be completely cured, otherwise you may have issues with delamination of the individual coatings.
- If you are to paint coating over be aware that the dark colour may shadow through the upper coating over time.

If you require a warranty for specific applications, Soudal can provide this on/prior to application. This warranty is subject to approved application instructions. **For more information please ring 0800 70 10 80.**

9. Health and Safety Recommendation

- Apply the usual industrial hygiene
- KEEP FROM FREEZING. When transporting this product, ensure the lid is tight and pail secured. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding of water may prevail. Do not reuse empty container; dispose of in an environmentally acceptable manner.
- Keep away from heat, sparks, and open flame.
- CONTAINS PETROLEUM ASPHALT
- Use with adequate ventilation
- Keep Out of Reach of Children
- CONTAINS NO VOC'S
- DO NOT THIN.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email sales@soudal.co.nz.***

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