

Code	Description	Size	Colour
36688	BlackJack Bituminous Liquid Waterproofer	4Lt	Black
36689	BlackJack Bituminous Liquid Waterproofer	20Lt	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. Black Jack® 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	1.22m ² /L – 1st coat
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/m ² /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 cum protective coating for sub structure
- Facade damp proofing

5. Packaging

4Lt and 20Lt plastic bucket (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. 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 BlackJack.
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.

Holdfast 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 UV and must be painted over if using above ground.
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.

If you require a warranty for specific applications, Holdfast can provide this on/prior to application. This warranty is subject to approved application instructions. For more information please ring 0800 TECSPEC (832 7732).

8. 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 contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

If any clarification is required, please contact Holdfast Technical Services or email sales@holdfast.co.nz.

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