



# BLACKSEAL HEAVY DUTY

## Bitumen Waterproofing Membrane

### DESCRIPTION

Crommelin<sup>®</sup> BLACKSEAL HEAVY DUTY Bitumen Waterproofing Membrane is a synthetic rubber co-polymer modified waterproofing membrane engineered for use in sub-grade areas and where not exposed to UV.

BLACKSEAL is a heavy duty, effective and economical waterproofing membrane designed for areas that do not require painting, tiling over or a finishing coat. BLACKSEAL is extremely strong and remains highly flexible, even under the most demanding of waterproofing situations. BLACKSEAL is easy to apply and remains water tight under permanently wet conditions.

**Note:** Not suitable to be painted, tiled over or over-coated, or used on trafficable surfaces.

### FEATURES AND BENEFITS

- Excellent waterproof performance, remaining flexible and watertight in permanently wet conditions.
- Prevents damage, efflorescence, mould growth, staining and paint peeling associated with moisture transfer.
- Excellent adhesion to substrates.
- Non-toxic, non-flammable.
- Suitable for permanent immersion.
- Economical, fast drying and easy to use.
- May be diluted with up to 50% water to produce a bitumen paint.
- **Note:** Not suitable for use if UV stability is required. Use Crommelin<sup>®</sup> Exterior Grade Waterproofing in these situations.
- **Note:** Not suitable to be painted, tiled or over-coated. If tiling over is required, use Crommelin<sup>®</sup> Shower Waterproofing Membrane.



### SUITABLE SUBSTRATES

**BLACKSEAL** is suitable for use in the following areas:

- All below ground & non-UV exposed situations.
- Interior of planter boxes, pots & water retaining structures.
- Note: Not suitable to be painted, tiled over or over-coated.
- Back of retaining walls.
- To protect metal from corrosion.
- Gutters, downpipes & flashings

### SUITABLE SUBSTRATES

**BLACKSEAL** is suitable for use on the following surfaces:

- Concrete, masonry, bricks & block work.
- Terracotta.
- Cement sheeting.
- Aluminium & steel.
- Timber posts.
- Plywood.

### APPLICATION TOOLS

- Crommelin<sup>®</sup> Contractor Membrane Applicator Brush – 100mm, 75mm.
- Crommelin<sup>®</sup> Contractor Membrane Roller Cover – 230mm.

### SURFACE PREPARATION

Full surface preparation instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- The surface should have a light even texture. Masonry should be flush pointed and all defects in existing surfaces made good.
- **Surfaces must be clean**, dry, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants.
- All high points and protrusions should be removed, blow-holes and areas of honeycombing should be filled and the surface brought back to an even profile using a suitable repair mortar.
- **All surfaces must be dry.** A moisture test is required 100% of the time to ascertain if the substrate is dry enough to coat. Electronic moisture meters are recommended.
- For dry porous surfaces, prime with either **Crommelin<sup>®</sup> Waterproofing Membrane Surface Primer** or a dilution of 1 part Blackseal to 5 parts water.
- If substrate is not dry, prime with **Crommelin<sup>®</sup> Dampstop** as per specifications.

### PRODUCT PREPARATION

- **BLACKSEAL** is ready to use as a waterproofing membrane, simply stir well prior to application and use un-diluted.
- For use as a bitumen paint, dilute 50:50 with water. Stir well prior to application.

### APPLICATION CONDITIONS

- Do not apply if surface/ambient temperatures are too high or too low. Recommended temperature range 10°C - 35°C.
- Do not apply if humidity is too high, or likely to be during the initial cure phase. Maximum recommended humidity during application and cure is 85%.
- Weather details may be checked at <http://www.bom.gov.au>.

### APPLICATION PROCESS

Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Apply only to substrate positive side (i.e. to prevent moisture entering the substrate).
- After priming, **Crommelin<sup>®</sup> Silicone & Bond Breaker Sealant** to all joints, junctions, protrusions, angles and internal corners must be used.
- The use of **Crommelin<sup>®</sup> Reinforcing Fabric** is required on all areas where movement may occur, and all areas treated with silicone sealant, installed as part of the first coat as per fabric installation instructions.
- Apply first coat evenly, as per recommended coverage rate and allow to dry.
- Recoat when touch dry (membrane will turn from brown to black)
- Apply second coat evenly, at 90° (right angles) to first coat and allow to dry.
- Membrane must be kept dry until completely cured.
- Ensure membrane is protected from damage and suitable protection board or corflute installed before any back filling.
- **Note: Do not use BLACKSEAL in conjunction with polyurethane or hybrid sealants.**
- **Note: Do not back fill to above the height of membrane application.**

### RE-COAT/DRYING TIME

- Recoat time: 2-4 hours.
- Backfill (dry fill): Minimum 72 hours.
- Full cure: 7 days. Do not expose to moisture / water until full cure is achieved.
- Ensure good airflow to optimise membrane cure time.

### COVERAGE

- 1.5m<sup>2</sup> / litre per coat.
- Minimum two coats required. Note: Complex or highly irregular surfaces may require additional coats.

### CLEAN UP

- Clean all equipment immediately with water before product dries.
- Cured material may be removed using mineral turpentine.

### SIZES

**BLACKSEAL** is available in 1L, 4L and 15L pails.

- 1L will produce approximately 0.75m<sup>2</sup> of finished coating. (After 2 coats)
- 4L will produce approximately 3m<sup>2</sup> of finished coating. (After 2 coats)
- 15L will produce approximately 11.25m<sup>2</sup> of finished coating. (After 2 coats)

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## Bitumen Waterproofing Membrane

**Crommelin®**  
Waterproofing & Sealing



### RELATED PRODUCTS

- Crommelin® Moisture Meter.
- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm.
- Crommelin® Contractor Membrane Roller Cover – 230mm.
- Crommelin® Dampstop.
- Crommelin® Reinforcing Fabric.
- Crommelin® Silicone & Bond Breaker Sealant.

### PRECAUTIONS

- Ensure substrate is completely dry before application.
- Ensure adequate surface preparation is carried out to allow even application.
- Ensure a trial patch is applied to ensure suitability and desired result is achieved.
- Ensure any existing coatings are compatible or removed prior to application.
- Do not apply during periods of extreme weather conditions – temperature or humidity. Apply between 10<sup>o</sup>c and 35<sup>o</sup>c and less than 85% humidity. To check these conditions, refer to <http://www.bom.gov.au>
- **Do not use BLACKSEAL in conjunction with polyurethane or hybrid sealants.**

### TRANSPORT AND STORAGE

- Size: 1L, 4L, 15L
- Weight: 1.1kg, 4.1kg, 16kg
- Cool and Dry Storage
- UN Number: N/A
- DG Class: N/A
- Flash Point: N/A
- Hazchem Code: N/A
- Poisons Schedule: N/A

### SAFETY AND FIRST AID

Crommelin® BLACKSEAL Safety Data Sheet is available from Crommelin® upon request.

#### Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

#### First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Any advice, recommendation, information, assistance or service provided by Crommelin® in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin® also reserves the right to update information without prior notice, to reflect ongoing research and product development.

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