

## BIO-WASH GREEN ALGAE REMOVER

<b>Appearance</b>	Clear Liquid
<b>Coverage</b>	4-5 sq.m/litre
<b>Activation Period (Pre-washed surface)</b>	30 minutes to 4 hours
<b>Activation Period (Thick Green Algae)</b>	7 to 10 days
<b>Application Temperature</b>	+6°C to +35 °C
<b>Service Temperature</b>	-20 °C to +50 °C



### DESCRIPTION

Kingfisher Bio-Wash is a deep penetrating, broad spectrum biocide (of a category sometimes described as fungicidal wash), designed to give quick and efficient removal of all green algae, green mould, algae or lichen from a wide range of outdoor, mineral based surfaces such as walls, paving, patios, roofs and driveways. Supplied as a concentrated liquid, one 5 litre container diluted, makes 25 litres of ready-to-use cleaner, which will treat up to 125 sq.m.

Bio-Wash is easy to use and an essential pre-treatment, prior to the application of any of the Kingfisher range of masonry water seal, paving resin, roof coating and masonry paint. It is available in either READY TO USE or CONCENTRATE form.

#### Companion / Related Products:

- Kingfisher Kolourseal
- Kingfisher Asbestos Roof Coating
- Kingfisher K-Seal, Restore-A-Drive, Ultimate Topcoat, Imprintseal, Blockstar, Indian Sandstone Sealer
- Kingfisher Extreme Climate, Stormseal, Superseal
- Kingfisher Weatherflex
- Kingfisher Coloured Pointing Mortar
- Kingfisher Eco-brick Cleaner

Refer to these individual product data sheets for detailed application guidance published on our website [www.kingfisheruk.com](http://www.kingfisheruk.com).

### USES

To eradicate damaging green algae and other organic matter from, and also to retard its re-growth onto, the following surfaces:

- Concrete & Clay Roof Tiles
- Asbestos cement roof sheet
- Tarmac
- Slate roofs

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Sealants

### Roof Coatings



Paving Sealers

### Timber Treatments



Damp Proofing

### Membranes



Basement Waterproofing

- Sandstone & Limestone
- Concrete paths & yards
- Paving including: man-made flags, blocks and natural stone
- Wall both brick & stone
- Mortar joints

If in doubt, please call our technical services department on 01229 869 100 for guidance.

## ADVANTAGES

- Ease of application by brush or low-pressure spray (non-atomising) ([SEE APPLICATION FOR LARGE AREA SPRAYING](#))
- Versatile application
- No rinsing required
- Kills the green algae and mould spores/roots which weed-killers do not

## SURFACE PREPERATION

Hard surface biocides are increasingly used in conjunction with powered pressure washers in both commercial and domestic settings, to clean or prepare surfaces for various types of decorative or protective coating. In that sense therefore Kingfisher Bio-Wash is THE surface preparation! Often no preparation is necessary, providing the surfaces to be treated are fairly dry and free from “ponding” water.

For paved or tarmac areas, if there are weeds(broadleaf/grass) as well as green algae, these should be sprayed first with a premium grade weed killer as directed.

Asbestos cement roofs contaminated with green algae are often at significant height above ground and should typically be surveyed by a competent industrial roofing professional before treatment. They can be fragile and require non-destructive cleaning methods (precludes pressure washing), as well as the expertise to identify potential structural issues and establish safe working protocols including access for the surface preparation phase.

## APPLICATION

The concentrate should be diluted 1 part Kingfisher Bio-Wash with 4 parts clean water. Also available as Ready to Use. Apply using a brush or a low-pressure pump sprayer (typical garden weed sprayer) or for larger areas a non-atomising sprayer. This includes most “General Purpose” manual pump sprayers and powered airless sprayers (e.g. Graco) with the following set up: Pressure adjusted to Ca. 1000 psi, nozzle size 14 thou (Graco: 514).

One coat should normally be sufficient when used as a primer but when used as a stand-alone sealer in exterior applications, two coats are usually preferable. and ensure thorough surface wetting.

**a. As a Surface Neutraliser (after pressure washing):** Even through pressure washing leaves microscopic roots and spores within the substrate, joints and crevices, which can rapidly re-grow if unchecked. Liberally apply Kingfisher Bio-Wash to thoroughly sanitise the surface as a pre-treatment for subsequent application of the appropriate Kingfisher surface coating. **DO NOT RINSE OFF.** Leave until the Bio-Wash has dried in or for a minimum of 1 to 2 hours before subsequent coating.

**b. As an Aggressive Green Algae & Mould Inhibitor (without pressure-washing):** For very heavily green algae or mould contaminated surfaces, which cannot be pressure washed, e.g asbestos cement roof sheets, soft sandstone walls, soft bricks etc. Apply liberally over the entire and leave to activate or at least 7 days before brushing scraping or soft hosing the surface clean. **NOTE:** If scraping dead green algae from asbestos cement roof sheets, ensure the

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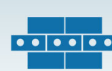
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surface is damped with water to prevent fibre release and wear the recommended PPE for WORKING WITH ASBESTOS, including gloves, face mask and coveralls.

DO NOT apply at air or surface temperatures below +6°C.

There are some situations where a surface has been contaminated for a protracted period of time and this can result in deep staining of the substrate. Some lichens for example will resist even powerful pressure washing with turbo or rotary jet nozzles. In such cases we recommend contacting our technical services department as there are too many variations to list here.

## CLEAN UP

Brushes and sprayers can be cleaned in warm soapy water.

## COVERAGE

5 litres of Concentrate treats: 125 sq.m (when diluted with 20 litres of clean water)

1 litre of Concentrate treats: 25 sq.m (when diluted with 4 litres of clean water)

5 litres of Ready to Use treats: 25 sq.m

25 litres of Ready to Use treats: 125 sq.m

## PACKAGING

Kingfisher Bio-Wash is supplied in 5 & 25 litre plastic containers

## SHELF LIFE & STORAGE

The product has a shelf life of 12 months unopened from the date of manufacture, subject to correct storage conditions. Store upright in original sealed packaging in a cool dry place, out of direct sunlight. Keep out of reach of children.

## IMPORTANT NOTES

- Whilst Kingfisher Bio Wash is not a weed-killer, in very dry conditions it may temporarily burn or discolour grass & broadleaf vegetation. Take care to avoid overspray when treating paths or driveways adjacent to lawns. A simple protection is to lay a broad plank of wood along the grass edge to catch the overspray.
- Avoid contact with metal or anodised finishes.
- This class of biocides relies upon U V light activation. You will achieve more consistent results with spring/summer application than in winter.
- Never load Bio-Wash into the pressure washer soap reservoir for application under pressure.

## HEALTH & SAFETY

This product is classified as an irritant and users should avoid splashing when handling the product and wear appropriate protective clothing, impervious glove and eye protection during application. In case of contact with skin or eyes rinse the affected area immediately with copious amounts of clean water. Repeated/prolonged contact with the skin may cause sensitisation. Should irritation persist seek medical attention. Keep children and pets away from treated area until the Bio Wash has fully dried.

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- If applying by spray wear a face mask, disposable gloves and coveralls
- Avoid contact with skin and eyes
- If contact occurs wash immediately with plenty of water
- Keep out of reach of children
- Ensure good ventilation during application and drying
- Always dispose of empty packaging responsibly

This product is non-flammable.

Before using this product read the Material Safety Data Sheet which can be obtained at [www.kingfisheruk.com](http://www.kingfisheruk.com) or by calling the Kingfisher Technical Dept. Tel: 01229 869 100.

The information given in this product data sheet is given in good faith, based on current knowledge and experience. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated.

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