

# GREEN MONK CLEANING SOLUTIONS



## **GMBB - 100, Bio-BLAST** (FOR INDUSTRIAL & COMMERCIAL USE ONLY)

### Technical Data Sheet

Green Monk Cleaning Solutions  
Assero Industrial Coatings  
Revision: July 21, 2017 (v2)



## 1. - PRODUCT DESCRIPTION & USE

**GMBB-100, Bio-Blast** is an Eco-Innovative, bio-organic cleaner that is safe for its users, substrates, and the environment. It is classified as non-hazardous and pH neutral; and it contains no Methylene chloride, salts, caustics, or toxic or harmful chemicals. Also, it is fully biodegradable.

**Bio-Blast** is a water-based cleaner which is extremely effective at safely removing multiple forming, bio-organic fouling as well as environmental pollutants. It works on the surfaces of soft porous stonework, brick, concrete, wood, painted metal surfaces, wood, and more. It also has antibiofilm properties for the reduction and elimination of biofilm formation.

**Bio-Blast** is exceptional in its ability at cleaning "monumental" items such as gravestones, monuments, historical buildings and park statues/monuments.

**Bio-Blast** can be applied quickly and efficiently over large surface areas due to its spray-on or foam-on capabilities which allows it to reach and cover areas in even the most challenging projects. It has been formulated to be fast acting. Depending on the condition of the surface to be treated, **Bio-Blast** can take between 10 - 45 minutes to work.

**Bio-Blast** has a shelf life of five (5) years and it will not etch or damage metal or glass surfaces in any manner.

## 2. - FEATURES & BENEFITS

**Safe:** Defined by NTP, IARC, or OSHA, it is considered safe. It is extremely safe to use around plants and vegetation. No special ventilation is required during its use.

**Effective:** Fast acting! It can effectively remove stains, mold, algae, mildew, lichens, and air pollutants from marble, granite, travertine, masonry, terra cotta, concrete, stucco, wood, and other architectural surfaces including, but not limited to: monuments, sculptures and headstones.

**Environmentally Responsible:** Water-based, biodegradable, pH neutral, contains no TAPs or HAPs, is non-mutagenic, and can be discarded into municipal waste water systems.

**Simple:** Easy to apply, and easy to remove.

## 3. - LIMITATIONS

For the best removal results, surface temperature should range from a minimum of 15°C / 60°F to a maximum of 35°C / 95°F. **Bio-Blast** can be applied at temperatures as low as 3°C / 37°F. However, efficiency and effectiveness will be reduced and dwell times will be increased.

## 4. - TESTING

Always prepare a small test area on each type of surface and coating prior to full application of **Bio-Blast**. Testing is the most effective method to be assured of product suitability and to achieve a successful removal project. This will also assist in determining approximate film thickness and an appropriate dwell time.

**Preparation:** Cover and protect areas that you do not want **Bio-Blast** to come into contact with. Polyethylene plastic sheets and masking tape can create an effective protective barrier during the removal process.

Be sure to also protect nearby plants and vegetation (especially edibles) during a removal process.

## 5. - APPLICATION & SPREAD RATE

The surface to be treated should be dry.

**For Surface Treatment:** Make certain the surface to be treated is dry, then use a brush, roller or airless sprayer to apply a WFT (wet film thickness) coat of approximately 1/16" / 1.5 mm to 1/8" / 3.17 mm (refer to testing results) of **Bio-Blast** according to the age, number of layers, and the type of fouling being removed.

**Airless** spraying is the most cost effective method to apply **Bio-Blast**. Always start an application at the **lowest pressure** and slowly build up pressure until an **appropriate** fan pattern has been achieved.

**Bio-Blast** can be applied using a mobile pump sprayer. Spray to the previously tested thickness. Based on your previous test results, more than one coat of **Bio-Blast** may be needed.

**Apply a light coat first** and allow a dwell/soak time between 30 - 45 minutes. After this dwell time has passed, apply a second coat to the desired film thickness. **Note:** a second coat should not be needed for most applications.





**Note:** For low fouling situations **Bio-Blast** can be admixed into a pressure washing system.

**Bio-Blast** has a coverage of 500 - 600 ft<sup>2</sup> (46 m<sup>2</sup> - 56 m<sup>2</sup>) per gallon. Results may vary depending on severity of the fouling to be removed.

**Removal:** Remove **Bio-Blast** using a soft nylon or natural brush or with low pressure washing. Close attention should be paid to crevices, grooves and cracks. Interior surfaces can be rinsed with the use of a spray bottle of fresh clean water, or with the use of a sponge and a pail of water.

**Clean Up:** Clean airless sprayer equipment by running clean tap water, or soapy water followed with fresh clean water, through the equipment soon after the application has been completed. Allow the treated parts to dry completely before repainting the surface and/or before the application of other coatings.

## 6. - MAINTENANCE

No additional service is needed once the removal project is complete.

## 7. - HEALTH & SAFETY REQUIREMENTS

Not for internal consumption. While **Bio-Blast** is formulated to be safe for users and surfaces, as well as the environment, proper safety procedures should be followed at all times.

Please refer to the SDS for important health and safety information and protocols before using **Bio-Blast**.

**Note** In case of contact with skin or eyes, wash well with clean tap water. If irritation continues, seek immediate medical attention. **Keep out of the reach of children.**

## 8. - TECHNICAL SERVICES

The experienced and professional staff at **Assero Industrial Coatings** is available to answer technical questions and provide product-specific information required by architects, specifiers, contractors, and property owners.

## 9. - TECHNICAL DATA

FEATURE	DETAILS
<b>Color</b>	Transparent
<b>Gloss</b>	None
<b>Vapour Pressure</b>	20mm Hg @ 20°C/68°F (As water)
<b>Specific Gravity</b>	1.01 g/cc
<b>Volume Solid</b>	14%
<b>pH</b>	5.8 - 7.2
<b>Flash Point</b>	100°C / 212°F
<b>Sag</b>	20 mil plus
<b>Solubility in Water</b>	Complete

GMBB-100, **Bio-Blast** is manufactured in Canada for Assero by MTC Inc.



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## 10. - DISTRIBUTOR INFORMATION

**ASSERO INDUSTRIAL COATINGS**

Contact: 1.888.588.6986

[www.assero.co](http://www.assero.co)

