



Bronz-Glow UK Ltd  
Apex Court  
Bracewell Avenue  
Poulton Industrial Estate  
Poulton-Le-Fylde  
Lancashire  
FY6 8JF  
Tel 01253 890666  
Email [info@bronz-glow.co.uk](mailto:info@bronz-glow.co.uk)

## Warranty Statement & Maintenance protocols

### Standard 5 years

All new equipment that has our coating applied carries a full 5-year warranty on the coating from the date of application. Any claim must be made in writing from the original purchaser with original order number and units' serial number from manufacturer and the unique BG serial number. Warranty on the coating is subject to regular maintenance performed by the purchaser or their agent. Regular maintenance must be in accordance with prevailing conditions and all final position of all units must be stated prior to installation to ourselves on the original order to identify any abnormal or extreme conditions which may result in reduces warranty protocol and /or increased maintenance frequency. Copies of organ maintenance performed at regular intervals must also be supplied at the time of any warranty claim. Any degradation due to abnormal conditions expressly mechanical abrasion are exempt in all cases.

Equipment must be maintained by a suitably qualified air conditioning/refrigeration contractor at leas twice per year in non-abnormal conditions and actual work completed recorded and signed by the client or his agent. All nonstandard degradation must be reported, and an inspection arranged Maintenance will be in accordance with the process below

### Extended years 5-8 (Inclusive)

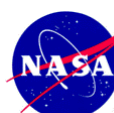
It may be possible to extend the warranty period up to 8 years this is subject to a site inspection ( at a cost) and any remedial work necessary to be performed as necessary at a supplementary cost.

### Existing /Used equipment

Existing equipment can be protected to extend the systems life dependant upon the condition of the system and will be if accepted subject to a 3 year warranty dependant of the maintenance regime agreed at the time of site inspection

### BG contract maintenance

Bronz-Glow UK offer a coil maintenance /cleaning and protection scheme .this scheme will ensure your coils are at maximum capacity all year , please contact for details



ISO  
14001 : 2015  
REGISTERED  
Cert No. 14128142



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9001 : 2015  
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## Bronz-Glow COATING MAINTENANCE REQUIREMENTS

LONG LASTING NOMINAL PERFORMANCE  
HEAT CONDUCTIVE  
HIGH CHEMICAL RESISTANCE

### General

The BG coating systems are based on a special technique with properties to achieve a long lasting nominal performance, guaranteed, worldwide. The coating systems can be applied before assembly of the machine, before installation or even years after installation. The heat-exchanging surface of the aluminium fin package determines the cooling capacity and consequently energy consumption. However, pollution in between the fins can have a disastrous effect on cooling capacity. This procedure should be strictly followed in case of coil maintenance; otherwise, any warranty will be void. If the coil is blocked by pollution, it is regarded as non-regular maintenance and certified BG applicator must execute the cleaning. ( coating damage by mechanical abrasion is excluded in all cases )

### Maintenance

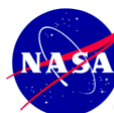
Maintenance is conducted with a High-Pressure Cleaner such as a Kercher. The frequency is depending on the polluting conditions of the environment, but at least half-yearly or monthly in marine and industrial environments. BG UK should conduct non-regular cleaning. Non-regular cleaning is regarded as persistent polluting particles like dust and grease or air borne abrasives

### Evaporators

The maintenance frequency for evaporators under normal circumstances is at least every half yearly. For typical harsh environments a weekly maintenance is required for removal of aggressive pollution.

### Tools and chemicals

- 1, Vacuum cleaner, explosion free, high capacity, water resistant with a soft brush top.
- 2, A high-pressure cleaner 500 to 600 litres or 120 to 130 gallons an hour.
- 3, Use only an ECO CLEAN as cleaning agent (pH neutral detergent). This can be disposed of in the sewer system and is not affecting the coating or other steel parts.
- 4, Make sure that hot water (> 60 °C / 140 F) and electricity is available.
- 5, Do not apply non-pH neutral cleaning agents, any warranty will be void



## Bronz-Glow MAINTENANCE PROTOCOLS

### Preparation of work

Before commencing the checklist of environment and safety must be checked.

### Safety Check List

- Do all the applicators wear protective outfit, and does it work properly?
- Is the ventilation adequate?
- Does the equipment work as specified?
- Is the power supply safe and earth linked?
- Are the chemicals and coatings stored in a safe place?
- Is the packing of the coating and chemicals in the right condition?
- Are all material Safety Data Sheets, Product Information sheets and possible Transport Documents present?
- If on location check if there is special Safety Regulation valid.

### Environmental Checklist

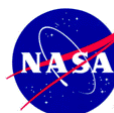
- Is there any special requirement for sewer wastage water?
- Are any other chemicals present which may cause a chemical reaction?
- Are all necessary items present preventing the chemicals and coatings from entering the environment as mentioned in the MSDS?

### Cleaning procedure

1. Demount fans and grids, disconnect the electronic wires from the fans and protect them from being damaged. Store the grids and fans at a place where no forklifts can damage the grids and fans.
2. Put a soft brush cap at the tip of the vacuum cleaner.
3. Move the tip lightly along the fin pack with the brush on the coil in between the tube rows until all loose dirt particles are removed.
4. If necessary repeat at the outlet side.
5. The Eco Clean detergent is applied for cleaning the coil. The lance is put straight to the coil surface. Maximum four bars and moved row by row in between the rows, app. 10 cm or 4 inches from the surface at a speed of one meter per second. If ready, repeat, but from the other side. Keep the lance straight to prevent fins from bending.

Some manufacturers claim that fin packages cannot be cleaned by high-pressure units.

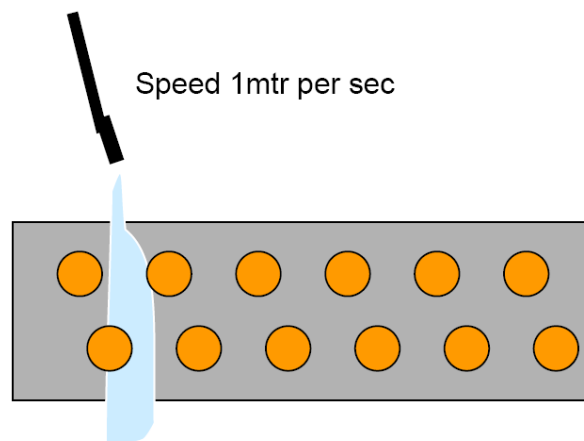
**IF YOU FOLLOW THE BASIC GUIDELINES the fins will not bend:**



- Never use more pressure than 4 bar
- Always follow the direction of the fins
- Move smoothly up and down and use at least 50 litre per sqm
- Always start cleaning from the inside to prevent fixing of dirt in between the fins

If the cleaning is executed in the right way the soap comes out of the other side of the coil  
**ALWAYS CLEAN FROM THE INSIDE**, to prevent pushing dirt deeper into the coil.

Clean also from the outside. It is very handy to have an extension of the pistol for easy access, if you have to clean from the inside of the machine through the fan openings.

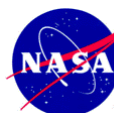


If executed the right way, the water pours out at the other side like a small waterfall.

**REMEMBER TO KEEP THE LANCE STRAIGHT TO PREVENT THE FINS FROM BENDING.**

The end result of the BG application is determining the quality of the degreasing process.  
 If you do not feel confident with the end result, please repeat.

**6. Remount grids and fans; dispose off all left over material meeting the local waste regulations.**



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