



# 小島 **BIRD FREE**<sup>®</sup>

INSTALLATION MANUAL



小島 **BIRD FREE**



Protecting the  
urban environment



# Introduction

- 小島 **Bird Free** in ready-to-use dishes is a patented preparation containing natural active ingredients that keeps all birds off all structures without harming them. (小島 **Bird Free** is not regulated under the EU Biocidal Products Directive because its active ingredients are recognised by the UK Health & Safety Executive as food-grade material.) It does not kill or trap birds, but immediately changes their behaviour so that they fly away. Birds will completely desert a habitat they have been using for years once 小島 **Bird Free** is applied in accordance with the guidelines in this manual.
- Developed by scientists in Korea, 小島 **Bird Free** in ready-to-use dishes is formulated so that birds won't go near it: birds see ultraviolet light so it appears to them as fire. Visual deterrence is further reinforced by the selected food ingredients contained in 小島 **Bird Free**, which are abhorrent to birds' sense of smell.
- 小島 **Bird Free's** deterrent effect on birds is long-lasting. Left undisturbed, it will remain completely effective for at least two years after proper installation, even in the most exposed environment. Most installations will remain effective for considerably longer.
- Especially formulated to withstand all climatic conditions, 小島 **Bird Free** is not affected by extremes of temperature, nor by wind, rain or snow.
- 小島 **Bird Free** can be used indoors or outdoors. It has been installed at thousands of commercial sites worldwide including, airports, government offices, sports stadiums, railway stations, hospitals, factories, pylons, bridges, historic buildings, and many other locations where birds are a nuisance or a health hazard. It causes no damage to buildings or structures.
- Installation of 小島 **Bird Free** is quick and easy. However, it is imperative that the site is thoroughly cleaned beforehand, and the guidance on p5 is followed. This instruction manual will show you how to apply 小島 **Bird Free**, and how to prepare the site before application.



## Health & Safety

- KEEP OUT OF REACH OF CHILDREN AND DOMESTIC PETS.
- Causes skin and eye irritation. Do not get in eyes or on clothing. Avoid contact with skin.
- Wear gloves. Wash exposed skin thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. To reduce hazards to legally protected bird species, follow all instructions in the directions for use. DO NOT CONTAMINATE ponds, waterways or ditches with product, empty container or trays.
- To reduce potential exposure to bird-related diseases, operatives should wear waterproof gloves and a mask for dust protection when cleaning areas to be treated. Prepare surfaces to be treated by removing bird nests, dirt, droppings and other debris. Using biocide or water mixed with a wetting agent or detergent, wet surfaces where droppings are present to limit generation of airborne dust during cleaning. Allow cleaned surfaces to dry fully prior to treatment as silicone adhesive will not adhere well to wet surfaces.
- Read label before use.

**STORAGE:** Store in an area inaccessible to children and pets. Do not store near food or feed. Do not store in an environment which will corrode the plastic dishes.

**DISPOSAL:** Wastes resulting from the use of this product may be disposed of appropriately on site or at an approved waste disposal facility.

**CLEAN-UP:** When replacing, remove plastic dishes and clean surfaces with a disposable cloth soaked in soap and water. Wear appropriate skin and respiratory protection when performing these tasks. Remove the used dishes and treat them as controlled waste.



## Applying 小島 **BIRD FREE**<sup>®</sup>

小島 **Bird Free** is supplied in boxes of 15 ready-to-use, pre-dosed application dishes.



小島 Bird Free pre-dosed application dishes.



Silicone adhesive



Caulking gun

### 1. Preparing surfaces for treatment

Wearing appropriate PPE, prepare the site by removing all nests and other debris and thoroughly clean the surfaces. For effective installation all surfaces within the installation area must be thoroughly cleaned and free from organic and faecal matter. Efficacy will be enhanced by treating the cleaned areas with a fine mist spray of a proprietary biocide (eg, PX Ornikill). Do not over-wet as this will lengthen drying time and inhibit adhesion of silicone.

**小島 Bird Free will only be completely effective if site is properly cleaned before installation.**



### 2. Spacing/application rates

- For pigeons, spacing of dishes (centre to centre) is as follows:
- High pressure (nesting and night roosting sites): 6 inches (15cm)
- Medium pressure (daytime roosting/loafing areas overlooking a food source): 8 inches (20cm)
- Low pressure (new-builds and occasional roosting areas): 10 inches (25cm)  
For gulls, dishes should generally be spaced at 20" (50cm) centres (two per metre).  
For gull nesting sites, place nine dishes in a square where the previous year's nest was at 12" (30cm) centres.
- For crows, dishes should generally be spaced at 12" (30cm) centres.
- For starlings, dishes should generally be spaced at 8" (20cm) centres.
- For sparrows, dishes should generally be spaced at 6" (15cm) centres.

**Guidance:** 小島 **Bird Free** will always be effective when applied to the habitat (nesting site, night roost, etc) of the bird. However, applying it around the periphery of a nesting site which has not been treated will not deter birds from returning to untreated nests. Where nesting sites are inaccessible (eg, under plant, solar panels, etc) and cannot be cleaned, the gaps through which the birds enter will need to be proofed with wire mesh, etc. To deter birds from nesting on balconies 小島 **Bird Free** must be applied to the nesting site itself.

**Guidance:** 小島 **Bird Free** can be applied to pitched rooves and other acutely angled surfaces without running out of the dish.

**Guidance:** 小島 **Bird Free** each installation site needs to be considered according to its individual environmental and structural features. Spacing may be increased or decreased accordingly. In general, spaces between dishes should not be greater than the bird's wingspan.



### 3. Recommended installation procedure

- First, determine number and location of dishes required in accordance with spacing guidelines.
- After thorough cleaning, apply silicone adhesive to points where dishes are to be fixed.
- Remove covers from dishes and fix dishes onto silicone.

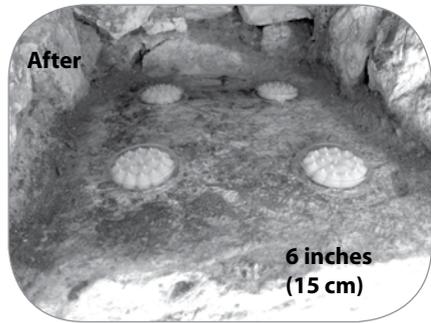


小島 Bird Free dish with and without lid

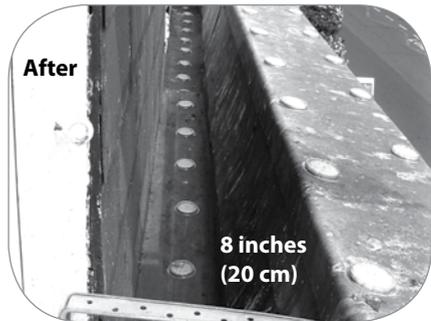


## Examples of 小島 **BIRD FREE**<sup>®</sup> installations

### 1. Pigeon nesting site (high pressure)



### 2. Roosting site (medium pressure)



### 3. Day roost (low pressure)



### 4. Dishes fixed to pitched surface/balcony light fitting

