

Bird Free Fire Gel - Simple, Safe & Effective

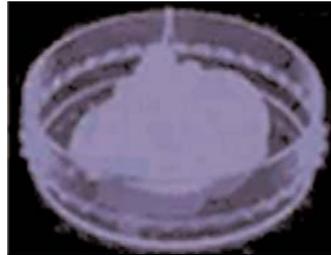
The UK Health & Safety Executive has granted Bird Free a "Derogation" (exemption) under the EC Biocidal Products Directive on the basis that its active ingredients are food grade materials.

It's effectiveness and ability to deliver rapid results, comes from the fact that is a "3 way deterrent" to unwanted birds;

1. As a Visual Deterrent;

As Bird Free Fire Gel is "Non Flammable", the product presents no risk of bursting into flame, but in fact gets its name from the way that birds see it.

To a bird, the harmless (and invisible to the human eye) Ultra Violet (UV) light projecting from the natural food grade oils in the Gel, is seen as a flame and hence a hazard area to avoid.



U/V view of Fire Gel as birds see it

The "Fire View" is the main deterrent element of the Gel and one of the key reasons that the product works so quickly and effectively as a bird repellent.

2. Taste and Smell:

Birds however also find the smell and taste abhorrent, providing another good reason to avoid the area (not an issue for the less sensitive nose of humans)

3. Touch;

Should a bird come into direct physical contact with the Gel, their taste & smell senses are involved as they preen, providing a great deterrent to future contact (see; Installer Guide for more information on safety, etc)..

Suitable for DIY or Professional Installation;

As the active ingredients are natural food grade oils, Bird Free can be installed by a competent handyman or pest control specialist, following the manufacturers installation guidelines and taking account of appropriate safety precautions (i.e. use of suitable protective clothing, working at height, etc.). For more information on where and how to use Bird Free, visit: www.insight-security.com/Bird-Free-FAQs.htm

Make Bird Problems...



a thing of the past!

Bird Free Fire Gel Installer Guide

(issue 2)



Bird Free - General Product Information

- **Bird Free is a patented preparation containing food-grade natural oils** that keeps all birds off all structures without harming them. Its innovative technology places it light years ahead of conventional bird deterrent devices such as ultrasonic deterrents, visual scaring devices, spikes and netting. The efficacy of these conventional devices tends to decrease over time due to birds' acquired learning abilities.
- **Harmless to birds.** Over the years, many chemical bird repellents have come and gone, partly due to poor efficacy, but also because of adverse health side-effects. The active ingredients in Bird Free are recognised by the UK's Health & Safety Executive as food-grade materials. Developed by scientists in Korea, Bird Free is engineered so that birds simply won't go near it: birds see ultraviolet light so that Bird Free appears to them as fire. Visual deterrence is further enhanced by the selected natural oils contained in Bird Free, which are abhorrent to a bird's senses of smell and taste
- **An economical way of repelling birds,** Bird Free's deterrent effect on birds is long-lasting. It causes no damage to buildings or structures. Herbal oils contained in Bird Free form a film that makes it waterproof and prevents evaporation. Left undisturbed, Bird Free will remain completely effective for at least 24 months after proper installation. (It does not need to be re-applied during this period.) Bird Free does not kill or trap birds; it immediately changes their behaviour so that they fly away. Birds will completely desert a habitat they have been using for years once Bird Free is applied.
- **Use it in any climatic conditions.** It remains effective for at least two years, even in the most exposed environment. Bird Free is oil-based, so is not affected by extremes of temperature, nor by wind, rain or snow.
- **Use it anywhere** (follow the instructions carefully). Bird Free can be used indoors or outdoors. It is already installed at more than one thousand commercial sites worldwide. These include ports, airports, electric pylons, telephone poles, upper parts of water tanks, signboards, railways, warehouses, car parks, bridges, public buildings, hospitals, stadiums, and many other locations where birds are a nuisance or a hazard.
- **Quick & easy to Install.** This installation guide shows you how simple it is to apply
- **Easy clean-up when replacing Bird Free.** Remove the used dishes and treat them as pesticide disposal. In cases of direct application onto surface of structure, clean treated surfaces by removing tape (if used), and by scraping off Bird Free, before cleaning surface with a disposable cloth soaked in soap and water. Wear appropriate skin and respiratory protection when performing these tasks.

In case of contact, remove product from skin and / or application equipment with soap and water. for more info. visit: www.insight-security.com/Bird-Free-FAQs.htm

Bird Free Fire Gel is simple to use and when properly installed will effectively drive birds away from the protected area

Remember however that proper preparation of the site is the key to successful installation

For Guaranteed Results:

The site must be thoroughly cleaned to remove all traces of birds before the Fire Gel is installed

The following pages provide a simple guide to successful installation please read them carefully before commencing work

for further advice or help;

please visit; www.insight-security.com

or call Insight Security on: 01273 475500

Bird Free - Precautionary Statements

For repelling unwanted birds from buildings and other structures, BIRD FREE must be applied according to instructions as set out in this guide

Bird Free is suitable for; telecom poles, electric pylons, bridge beams, marine structures, ornamental copings, sign boards, residential balconies, roof lines, window sills, cornices and ledges, gutter edges, and many other sites.

- At all times **KEEP OUT OF REACH OF CHILDREN.**
- Bird Free may cause substantial but temporary skin or eye irritation (similar to rubbing your eyes after chopping fresh chillies!). Do not get in eyes or on clothing. Avoid skin contact. Wear goggles or face shield and gloves. Wash thoroughly with soap & water after handling. Remove contaminated clothing & wash before reuse.
- To reduce hazards to legally protected species, follow all instructions in the Directions For Use. Keep out of lakes, ponds, and streams. Do not contaminate water sources by cleaning equipment or disposing of waste.
- To reduce potential exposure to bird-related diseases, 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 silicon adhesive will not adhere well to wet surfaces.

CLEAN-UP: Remove used dishes and treat them as pesticide disposal. In cases of direct application onto surface of structure, clean treated surfaces by removing tape (if used), and by scraping off Bird Free, before cleaning with a disposable cloth soaked in soap and water. Wear appropriate skin and respiratory protection when performing these tasks. In case of contact, remove product from skin and / or application equipment with soap and water

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 cartridge. Any leaking tube should be disposed of as directed below.

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

CONTAINER DISPOSAL: Do not reuse empty containers. Place in rubbish or offer for recycling if available. **IF PARTLY FILLED:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain

Bird Free - Pre Installation Notes

Precautionary Statement: please read the cartridge label thoroughly

What's supplied in the kit?

...each tube of Bird Free is supplied with;

- 1 x screw on dispensing nozzle
- 15 x plastic Gel dishes



Optional extras which can be purchased separately:

- Additional standard dishes
- Magnetic dishes (for mounting on ferrous metal surfaces such as galv. steel)
- Hanging dishes (suitable for attaching to trees or cables)
- Cable Ties
- Silirub Silicone Adhesive
- Caulking Gun (suitable for dispensing the Bird Free or Silicone adhesive)
- Bird Free Multisaver Bulk Packs



extra dishes



magnetic dishes



hook dishes



cable ties



Silirub adhesive

Safety equipment and other useful items:

- Protective clothing (eg. gloves, eye protector goggles or similar, respirator / dust mask (P3 filter recommended), coveralls and other safety items such as hard hat, hi viz vests, fall arrest equipment, etc, as relevant to the installation location.
- Tools & equipment.
 - Access equipment, i.e.; cherry picker, access platform, climbing tower, ladders warning signs, rope barriers, etc.
 - Other items include: caulking guns, scrapers, shovel, brushes (hard and soft), strong refuse sacks (rubble sacks), cleaning cloths / wipes, biocide / detergent, water, snips, cable ties, silicone adhesive, waterproof tape...

Bird Free - Preparing / cleaning the site

1. Preparing the site for treatment

IMPORTANT: Bird Free will only be completely effective if the site is properly cleaned before application

- Prepare the site by removing all nests and other debris and thoroughly cleaning surfaces of droppings, etc.

Safety Note:

It is strongly recommended that the site be damped down with a diluted biocide prior to commencing removal of bird droppings, debris, etc.

This will reduce the level of airborne bacteria arising from the scraping / cleaning activity.

It is also important to wear a suitable respirator and appropriate protective clothing during the clean down and installation process. (see **Safety Equipment** above).

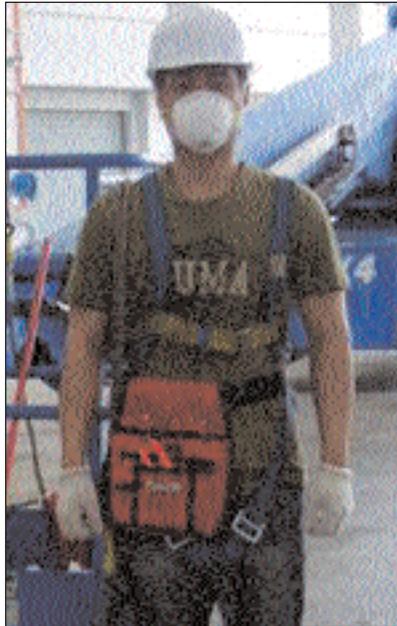
for further information visit:

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The cleaning process:

Cleaning the site will involve scraping, brushing and washing surfaces (removing debris in strong rubble sacks or other suitable containers).

Useful tools during this stage include; scrapers, shovel, hard and soft brushes, pressure washer (for use where practical), wipes and cleaning cloths, etc.



Bird Free - Positioning & filling the dishes

2. Fix the dishes into position

(see section 3 below for spacing guidelines)

- This will normally mean applying the silicone adhesive to the bottom of the dishes and sticking the dishes in place.

- Alternatively, you may choose to use the optional "magnetic" or "hanging" dishes, etc.

Note; Although not recommended, where it is not possible to fix dishes to the surface, Bird Free can be applied directly to the surface - see "Installation Guidelines by Habitat" below for further information.



position dishes at edge of beam or sill

3. Spacing the dishes

The spacing between the dishes will vary depending on the degree of bird pressure, but the distance between dishes will typically be between 4" and 20" (10cm-50cm) - see **Installation guidelines by habitat below**.



- * Heavy pressure areas: 4 ~ 6 inches (10cm ~ 15cm)
- * Medium pressure areas: 8 ~ 10 inches (20cm ~ 25cm)
- * Light pressure areas: 12 ~ 20 inches (30cm ~ 50cm)

4. Attach nozzle to the tube and load into gun

Cut the stopper off the top of the Bird Free tube and screw the supplied nozzle on (in clockwise direction) - Do not cut the nozzle - then load the assembled tube into the caulking gun



5. Dispensing Bird Free into dishes

Dispense 15g of bird free gel into each dish.



6. Finished Area

This picture shows the finished area

(note that the Gel dishes were applied to both the window frame and window sill areas).



In this problem area and for maximum effect, the Gel was also applied directly to the surface of the window sill between the dishes.

(see "Installation Guidelines by Habitat" below for further information on direct application)



7. Cleandown & tidy up

Once installation is complete and the site cleared of the removed waste, any product spillage and general debris, etc.

...the ground area can be hosed down to remove any traces of minor spills.



The required spacing between the Gel dishes will vary according to the density of the bird presence, but in general terms there are three categories;

Low pressure areas - i.e. **Loafing Areas** where birds have access to food, etc

Medium pressure areas - Semi Habitat - generally tight spaces that only birds can access and which provide shelter from the cold, etc

High pressure areas - Habitat - the highest density - typically the actual nest area

(see the spacing guidelines below for the different types of habitat)

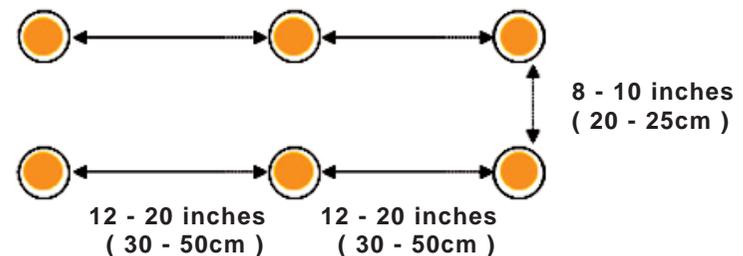
Low Pressure Areas - recommended dish spacing

i.e. loafing areas that offer access to food - characteristics;

Low pressure areas are very diverse in nature; they include roofs, roof tops and roof lines, the upper parts of buildings, window sills, gutter edges and pipework, signs, ornamental copings, cornices, ledges, and similar surfaces.

They are typically areas where many birds congregate, such as the top or the edges of a roof. Once Bird Free is applied, birds will avoid congregating or loafing at low pressure sites.

Guide to spacing - low pressure areas;



In order to prevent birds from congregating in low pressure areas, the recommended spacing of dishes is 8~10 inches (20~25cm).

In perching or loafing areas that attract fewer birds, the recommended spacing is 12~20 inches (30~50cm).

Medium Pressure Areas - recommended dish spacing

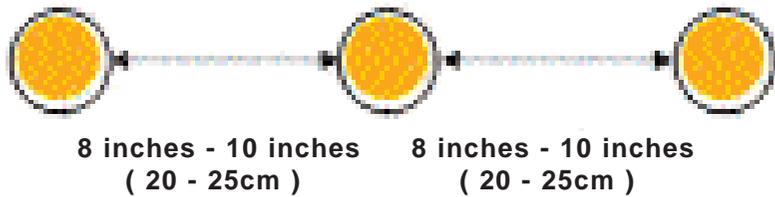
i.e. roosting areas; areas that afford shelter from cold, sun or rain - characteristics;

These are usually tight spaces that only birds can access; eg, sheltered ledges beneath balconies, between buildings, etc.

This type of site is a "semi-habitat"; undeterred, birds may subsequently adopt such a site as a habitat for nesting.

Note: It is important to block up any cavities which might afford access to such sheltered area as they are ideal locations for roosting and, subsequently, nesting.

Guide to spacing - medium pressure areas;



Recommended spacing of dishes in medium density areas is 8~10 inches (20~25cm).

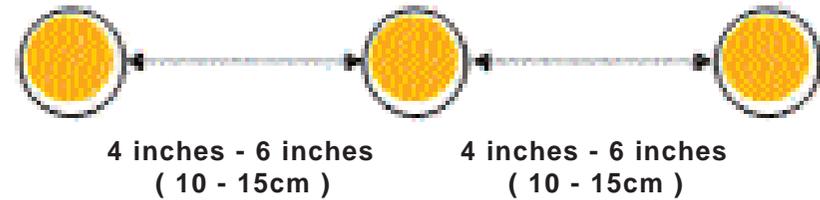
High Pressure Areas - recommended dish spacing

i.e. habitat - nesting and hatching areas - characteristics;

On average, the size of the habitat is about 20 inches (50cm), horizontally & vertically.

These areas have a very strong attraction for birds due to the birds homing instinct and deposits of hormones in such locations.

Guide to spacing - high pressure areas;



Recommended spacing of dishes in high density locations is 4~6 inches (10~15cm)

Applying Bird Free direct to surfaces;

While not recommended, where it is not feasible to fix dishes to the surface, Bird Free can be applied directly onto the surface to be protected in a circular form (see diagram right). Use the same amount as in the dishes (15g).

If the repellent is to be applied direct onto surface, check the surface to which Bird Free is to be applied. (Treat porous surfaces such as wood, stone, or concrete with an undercoating such as paint or sealant before applying Bird Free. On asphalt or wood shingles, or on any other surface from which relatively easy removal of product is desired, apply waterproof tape or similar material before applying Bird Free to the tape rather than its substrate.

Applying Bird Free direct to surfaces - schematic



...apply Bird Free in circular form, using the same amount as would be placed in the dishes.

Where appropriate and as an extra deterrent, a bead of Bird Free can also be applied between the dishes.

