

## LONGEVITY OF *BIRD FREE*, POLLUTION

*Bird Free* continues to emit UV light when blackened with pollution. UV radiation is only blocked by solid objects, not particulates, this means that *Bird Free* will remain effective, even when covered in a thick layer of dust, dirt or rainwater.

### Mass Transit Railway, Hong Kong



1 Gantry with nests



2 *Bird Free* applied to gantry, August 2016



3 *Bird Free* black with pollution, March 2018



4 Form of *Bird Free* remains stable, March 2018

Photo 1: Gantry above the railway on which birds were nesting.

Photo 2: *Bird Free* installed on the gantry in August 2016.

Photo 3: *Bird Free* black with pollution, March 2018. It is evident from the absence of faeces on the gantry that the birds have not returned.

Photo 4: *Bird Free* remains effective, and does not need to be replaced.

## Preston's Road flyover, East London

Pigeons had been nesting behind the supports, and in the corners of the superstructure.



**5** Preston's Road flyover



**6** Pigeons nested behind supports



**7** Pigeons roosted in corners of superstructure



**8** Fouling below night roost

The infested areas were treated with *Bird Free* in July 2015.



**9** *Bird Free* applied behind supports to prevent nesting



**10** *Bird Free* applied to bearing shelf



**11** Bird Free applied to flanges of superstructure



**12** Bird Free applied to flanges above road

The photos below were taken 30 minutes before sunset on 29 April 2018. The pigeons had not returned. Despite having become black below the flyover, *Bird Free* remains effective.



**13** Bird Free on bearing shelf black with pollution



**14** Form of *Bird Free* remains stable



**15** Bird Free on flange of superstructure



**16** No birds present 30 minutes before sunset

**University library, North London**

**In August 2013, *Bird Free* was installed on the window ledges shown below, where pigeons had been roosting.**



**17** Pigeons roosted in sheltered corner

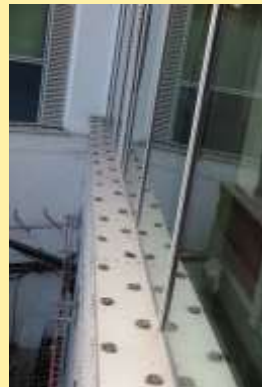


**18** *Bird Free* applied in August 2013

**The photos below were taken on 2 June 2018. The *Bird Free* gel has become clogged with dust and dirt. Despite this there are no pigeons present, almost five years after *Bird Free* was installed.**



**19** June 2018



**20** Black with pollution



**21** No bird droppings, June 2018



**22** Clogged with dirt and dust, June 2018