








WINGSAFE™

BIRD PROTECTION FILM







BLACK DOT

" AN EFFECTIVE AND DURABLE SOLUTION FOR A SAFER WORLD FOR BIRDS! "

- 1- Threat Factor as low as 4%. 
- 2- A multi-layer product consisting of optically clear, outside weatherable, polyester film with Solar Gard's proprietary Outside Weatherable hardcoat. 
- 3- Pattern integrated in the product: unlike solutions with stickers, there is no risk for discoloration, accidental removal or damage of the dots. 
- 4- No edge sealing required on vertical surfaces. Applied like any other outside weatherable window film. 
- 5- 10 year product warranty on vertical surfaces.** 



-  6- Special adhesive allowing removal without leaving traces of adhesive on the glass.
-  7- Standard roll length : 30 m. Longer rolls possible on a project basis. Also cut-to-size solutions available.
-  8- No special maintenance required. The pattern (dots) do not interfere with the cleaning.
-  9- Blocks >99% of the harmful UV radiation.

Enhancing Existing Glass for a Safer World for Birds.

TF = 4%*
THREAT FACTOR



BLACK DOT

Solar Gard® WingSafe™ Black Dot

PERFORMANCE RESULTS

TF

Threat factor %

4

4

VISIBLE LIGHT

Transmittance %

89

81

Reflectance exterior %

10

10

Reflectance interior %

9

9

SOLAR ENERGY

Total solar energy rejected (TSER) %

17

26

TSER @ 60° angle %

25

38

Solar heat gain coefficient

.83

.74

IRER - IR e-Energy rejected %

18

29

FADE CONTROL

UV blocked @ 300 to 380 nm %

>99

>99

Tdw (ISO) fading factor %

60

55

FR (%) fade reduction %

20

26

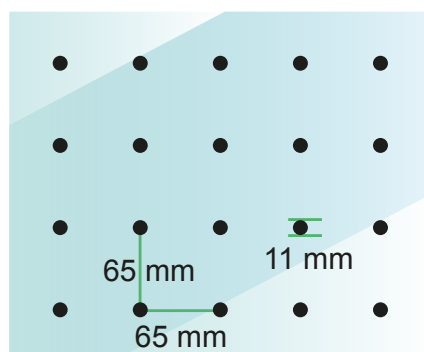
PHYSICAL PROPERTIES NOMINAL

Thickness nominal/overall (µm)

100-125

Reaction to Fire (SBI EN 13823)

B -S1, d0



Notes

1. Performance results are calculated using NFRC methodology and LBNL Window software, and are subject to variations within industry standards and only intended for estimating purposes. This data is provided for informational purposes only and are subject to normal manufacturing variances.
2. Performance results for glare and fade reduction are calculated by comparing filmed glass to that of untreated glazing.

*American Bird Conservancy, USA and TF=13% on reflective surface (WIN-Tests Flugtunnel II, Austria) **For details see the Solar Gard SWT&C on www.solargard.eu.



LEARN MORE



www.solargard.eu/WingSafe

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