

# Bird-friendly fritted glass

## Protect birds with a versatile solution

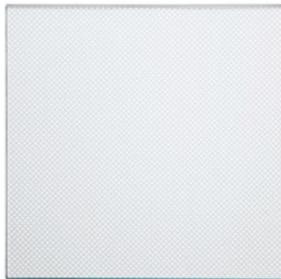
Balance a range of design needs with safety for our feathered friends. Bird-friendly fritted glass is the most visible to the human eye and offers the greatest data around efficacy in protecting birds. When paired with SunGuard™ low-E coatings, you can do it all. Direct birds away from glass, meet your sustainability goals, control glare and add a decorative touch.

These frit patterns have been tested by the American Bird Conservancy and have achieved Threat Factors (TF)<sup>1</sup> that quantify collision-avoidance effectiveness. Fritted options are supplied by a Guardian Select™ Fabricator. Speak with a Guardian Glass sales representative to learn more.



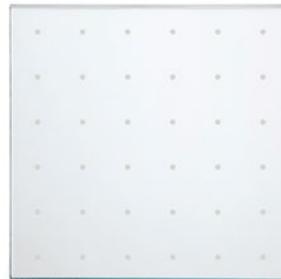
**20% white dots**

**THREAT FACTOR: 21**



**40% white dots**

**THREAT FACTOR: 22**



**2" x 2" gray and  
2" x 2" white dots**

**THREAT FACTOR: 20**



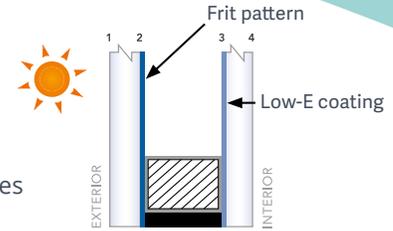
**2" x 4" gray and  
2" x 4" white dots**

**THREAT FACTOR: 25**

<sup>1</sup> Threat Factor indicates the percent of times in which birds will not avoid collision, as tested by the American Bird Conservancy (ABC). ABC defines "bird-friendly" materials as having a Threat Factor  $\leq$  30.

# Pair powerful performance with bird safety

Bird-friendly fritted glass pairs a visual deterrent on surface 2 with a Guardian SunGuard™ low-E coating on surface 3. This configuration helps you expertly achieve energy performance and the bird-friendly standards your project requires – while also contributing to LEED Pilot Credit 55 qualification and NYC LL15.



SunGuard low-E Product on clear	Transmittance		Reflectance			U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain
	Visible (tv%)	Solar (te%)	Visible Pv% out	Visible Pv% in	Solar Pe% out	Winter Night (Btu/hr-ft <sup>2</sup> -F)	Summer Day (Btu/hr-ft <sup>2</sup> -F)		
6mm/12.7mm a.s./6mm									
20% white dots with SNX-L 62/34	55	22	22	18	42	0.29	0.27	0.35	1.58
20% white dots with SNX 70+	56	21	24	21	46	0.28	0.26	0.31	1.81
40% white dots with SNX-L 62/34	46	19	32	25	44	0.29	0.27	0.30	1.53
40% white dots with SNX 70+	47	18	33	28	47	0.28	0.26	0.27	1.75
2" x 2" gray dots with SNX 62/27	64	26	13	12	40	0.29	0.27	0.39	1.64
2" x 2" gray dots with SN-L 68	70	37	14	12	46	0.29	0.28	0.48	1.47
2" x 2" gray dots with SNX 70+	64	24	16	14	45	0.28	0.26	0.35	1.86
2" x 2" white dots with SNX 62/27	61	23	13	12	43	0.29	0.27	0.37	1.63
2" x 2" white dots with SN-L 68	67	33	13	12	36	0.29	0.28	0.46	1.48
2" x 2" white dots with SNX 70+	64	24	17	15	46	0.28	0.26	0.35	1.91
2" x 4" gray dots with SNX 62/27	64	26	13	12	40	0.29	0.27	0.39	1.64
2" x 4" gray dots with SN-L 68	67	33	13	11	35	0.29	0.28	0.45	1.48
2" x 4" gray dots with SNX 70+	65	24	16	14	45	0.28	0.26	0.35	1.86
2" x 4" white dots with SNX 62/27	61	23	13	12	43	0.29	0.27	0.37	1.63
2" x 4" white dots with SN-L 68	67	33	13	12	36	0.29	0.28	0.46	1.48

• Scores are valid in the described coating and frit configurations using clear or UltraClear low-iron glass.  
 • Guardian performance data are calculated for center-of-glass only (no spacer or framing) in accordance with the LBNL Window 7 program.

## Bird-friendly fritted glass product details and availability

- *Four patterns:* 20% white dots, 40% white dots, 2" x 2" gray and 2" x 2" white dots, and 2" x 4" gray and 2" x 4" white dots
- *Four SunGuard low-E coatings:* SNX 62/27, SNX-L 62/34, SN-L 68 and SNX 70+
- *Two substrates:* standard clear and Guardian UltraClear™ low-iron glass
- *Sizes:* 130" x 204" (on SNX 62/27 and SNX 70+); 102" x 144" (on SNX-L 62/34 and SN-L 68)
- *Thickness:* 6mm

For more information on Guardian Glass bird-friendly products, visit [GuardianGlass.com](http://GuardianGlass.com).

[www.guardianglass.com](http://www.guardianglass.com)

Phone: 1.866.482.7374

©2024 Guardian Glass, LLC v.03.06.24

Bird1st, SunGuard, UltraClear, Guardian and the Guardian logo are trademarks of Guardian Industries, LLC and/or Guardian Glass, LLC. All other trademarks not owned by Guardian are the property of their respective owners.



The products in this publication are sold subject to Guardian's standard terms and conditions of sale and any applicable written warranties. It is the responsibility of the purchaser to confirm that the products are suitable for their intended application in compliance with the applicable laws and regulations. Please contact your local Guardian representative to obtain any applicable handling and fabrication guides and for the most current product information.