

Façade Material Type	Threat Factor	Testing Location	Pattern/ Texture on Surface	Installation: freestanding or façade	Manufacturer/ Product Name
<b>Opaque Material</b>					
Brick	0	n/a	n/a	either	
Stone	0	n/a	n/a	either	
Wood	0	n/a	n/a	either	
<b>Glass</b>	0				
Clear reflective glass, single pane or insulated Frit patterns	100	n/a	n/a	either	
White ceramic frit - 1/8" dia. dots w/20% coverage	41	Powdermill	Surface 2	façade	Viracon 5065
White ceramic frit - 1/8" dia. dots w/40% coverage	24	Powdermill	Surface 2	façade	Viracon 5006
Medium grey ceramic frit - 1/8" vertical lines spaced 1/2" apart, 20% coverage	10	Powdermill	Surface 2	façade	Viracon custom pattern
Dark grey ceramic frit - 1/8" horizontal lines spaced 1/2" apart, 20% coverage	6	Powdermill	Surface 2	façade	Viracon 2256
Orange ceramic frit- 6 mm (.24") vertical lines on 90 mm (3.5") centers	4	Hohenau	Surface 1	freestanding	St. Gobain/Eckelt 4Bird
Orange & black ceramic frit- 18 mm (.71") bi-color dot screened vertical lines on 100 mm (3.9") centers	5	Hohenau	Surface 1	freestanding	St. Gobain/Eckelt 4Bird

Black ceramic frit- 18 mm (.71") vertical dot-screened lines on 100 mm (3.9") centers	3	Hohenau	Surface 1	freestanding	St. Gobain/Ecke lt 4Bird
Orange & black ceramic frit- 12.5 mm (.49") bi-color vertical solid lines on 87.5 mm (3.4") centers	10	Hohenau	Surface 1	freestanding	St. Gobain/Ecke lt 4Bird
Orange & black ceramic frit- 28 mm (1.1") vertical dot-screened triple lines on 108 mm (4.3") centers	6	Hohenau	Surface 1	freestanding	St. Gobain/Ecke lt 4Bird
Black ceramic frit- diagonal dot matrix with .75 cm (.3") diameter dots, at 1.8 cm (.71") horizontal spacing and 2.54 cm (1") diagonal spacing	3	Hohenau	Surface 1	freestanding	St. Gobain/Ecke lt 4Bird
Glass with continuous frit, single pane or IGU	25	n/a	Surface 2	either	
Glass continuously etched (translucent level 4), single pane or IGU	25	n/a	Surface 2		
Glass continuously etched (translucent level 4), single pane or IGU	2	n/a	Surface 1		
Glass etched with curved line pattern, single pane or IGU	15	n/a	Surface 1	*	

<p>IGU; 6 mm float glass, surface 2 coated with 1/16" UV reflective lines arranged in an irregular "webbed" pattern with 2" maximum spacing / 16mm argon spacer / 8mm laminated Float N33 (0.76 PVB</p>	27	Powdermill	Surface 2	façade	Arnold Ornilux Mikado N33
<p>IGU 6mm float glass, surface 2 is coated with 1/16" UV reflective lines arranged in an irregular "webbed" pattern with 2" maximum spacing / 10 mm argon spacer / 8mm laminated Float (0,76mm 70% transmission solar coating on side 3</p>	26	Powdermill		façade	Arnold Ornilux Mikado Uno
<p>IGU: 6mm float glass, Scandic coating on surface 2 / 16mm argon spacer / 8mm float glass, surface 3 is coated glass with 1/16" UV reflective lines arranged in an irregular "webbed" pattern with 2" maximum spacing</p>	23	Powdermill	Surface 3	façade	Arnold Ornilux Mikado Scandic

<p>Triple Laminated: 4mm Float glass, surface 2 is coated with 1/16" UV reflective lines arranged in an irregular "webbed" pattern with 2" maximum spacing / 0,76mm PVB / 4mm Float / 0,76mm PVB / 4mm Float, coated with 1/16" UV reflective lines arranged in an irregular "webbed" pattern with 2" maximum spacing on surface 5 0,76mm PVB / 4mm Float mikado (face 5)</p>	36	Powdermill	façade only	Arnold Triple laminated	
<p>laminated screen print, opaque white, vertical stripe; 3mm stripe / 15 mm space</p>	27	Powdermill	surface 1		either
<p>Glass IGU with 1/2" thick white honeycomb polycarbonate inner layer, 2" maximum diameter module</p>	25		Surface 2	either	
<p>1/8" black vertical stripes spaced 2"</p>	6	Powdermill	Surface 1	façade	
<p>1/8" black horizontal stripes spaced 1"</p>	7	Powdermill	Surface 1	façade	
<p>.25" opaque white stripes spaced 4" at 45 degrees to vertical</p>	8				

IGU: 1/8" grey horizontal stripes spaced 3.3" apart	28	Powdermill	surface 1		Walker Continuous stripe
1/8" grey horizontal stripes spaced 3/3" apart	34	Powdermill	surface 1		Walker Continuous stripe
1/16" to 3/16" wide, spaced variously 3/16" to 5/8" apart, staggered across surfaces 1 and 2	43	Powdermill	surfaces 1 and 2		Walker Barcodes
grey curved intersecting lines of varying width within and between lines, surface 1 and surface 2	21	Powdermill	surfaces 1 and 2		Walker Ribbons

**Specialty Glass Products**

Translucent channel glass with cast "orange peel" or linear textured surface- 9" maximum face width	10	n/a	Surface 1	façade	Bendheim Bendheim
Glass block, 8" x 8" x 4" deep with translucent appearance and polished surface	20	n/a	n/a	either	
Glass block, 8" x 8" x 4" deep with grooved textured surface	10	n/a	Surface 1		

<b>Adhesive Films and Vinyl Appliques for Glass Retrofit- all colors except clear</b>					
Matte 50% perforated white vinyl signage film	2	n/a	Surface 1		Collidescape
1/8" x 1/8" adhesive white squares in even array, spaced 2" on center in each direction.	23	Powdermill	Surface 1	façade	Feather Friendly diy
1/4" diameter white dots in even array, spaced 2" on center in each direction.	15	n/a	Surface 1		
Patterned film "skywalk 1"	4	Hohenau	Surface 1	freestanding	
Square adhesive 14% UV reflecting decals, 2" maximum space between horizontal elements and 4" maximum space between vertical elements	10	Powdermill	Surface 1		Window Alert
<b>Protective Screen External to Glass (fixed in place)</b>					
Horizontal or vertical slats with 1/8" minimum face thickness and 2" maximum space between horizontal elements and 4" maximum space between vertical elements.	5		N/A		

Horizontal or vertical slats with 1/8" minimum face thickness. Slat depth and spacing ratio shall obscure 85% of glass when analyzed from all possible viewing angles	15		N/A	
Expanded metal or perforated screens having elements with maximum spacing of 2" horizontal or 4" vertical	10		N/A	
Welded wire mesh with minimum 1/8" dia. wire and 2" maximum space between horizontal elements and 4" maximum space between vertical elements.	10		N/A	
Fixed copper or fiberglass insect screens installed 2" minimum outboard of glass	2		N/A	
Poly or nylon netting with maximum 1" opening installed 6" minimum outboard of glass	5		N/A	
<b>Façade Material Type</b>	<b>Threat Factor</b>	<b>Testing Location</b>	<b>Pattern/Texture on Surface</b>	<b>Pattern Image Link</b>

<p><b>Operable Shutters External to Glass- Note that shutters must be closed when the building is not occupied, during seasonal migration, and after a collision has been recorded. See <a href="http://abcbirds.org">abcbirds.org</a> for additional guidance.</b></p>				
<p>Perforated hinged shutter with maximum opening 2” high x 4” wide.</p>	<p>15</p>		<p>N/A</p>	
<p>Solid opaque hinged shutter</p>	<p>10</p>		<p>N/A</p>	
<p>Roll-up solar screen-translucent polyester woven fabric</p>	<p>15</p>		<p>N/A</p>	













