



# AVIATION GLASS



## 0.049” AeroGlass Mirror

*Spec-sheet*

### GENERAL DESCRIPTION

C-GVVCCR-01

Chemical tempered mirrored glass with composite backing

### MAX DIMENSIONS

2000 x 1000 mm

### WEIGHT

2800 gr/m<sup>2</sup> – 0,58 Lbs/ft<sup>2</sup>

#### Strength tests

	Result	Standard
7 J Ball Impact test	Passed*	UL 1418
21 J Impact test	Passed	AMC 25.603 (a)
300 Lbs Abuse Load test	Passed	AMC 25.603 (a)

#### Fire Safety tests

Horizontal Bunsen Burner test 15 sec.	Passed	FAR 25.853 (a), CS 25.853 (a)
Vertical Bunsen Burner test 12 sec.	Passed	FAR 25.853 (a), CS 25.853 (a)
Vertical Bunsen Burner test 60 sec.	Passed	FAR 25.853 (a), CS 25.853 (a)
Smoke density	Passed	FAR 25.853 (d), CS 25.853 (d)
Heat release	Passed	FAR 25.853 (d), CS 25.853 (d)

#### Other tests

Fluid Resistancy Test		Passed	
Pencil Hardness Test	9B-9H	Passed	ASTM D3363
Thermal Shock test	70/-40 °C	Passed	

\*Test performed as engineering tests.



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Composition	95MJK5	Chemical tempered mirrored glass with composite backing		
Surface Layer	Clear Soda Lime Glass, chemical tempered			
		<b>Thickness</b>	<b>Weight (<i>metric</i>)</b>	<b>Weight (<i>Imperial</i>)</b>
Glass:	Clear Soda Lime	0.95 mm	2,375 Kg/m <sup>2</sup>	4.377 Lbs/yd <sup>2</sup>
Reflective layer:	Alu 900 NM	900 Nm	N/A	N/A
Protective coating:	2K Epoxy	30 Mu	0,080 Kg/m <sup>2</sup>	0,147 Lbs/yd <sup>2</sup>
Bonding layer:	Phenol/Glass pre-preg	0.3 mm	0,345 Kg/m <sup>2</sup>	0.636 Lbs/yd <sup>2</sup>
			2,800 Kg/m <sup>2</sup>	5.160 Lbs/yd <sup>2</sup>
End of Life	Regular waste disposal		No specific treatment required	

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