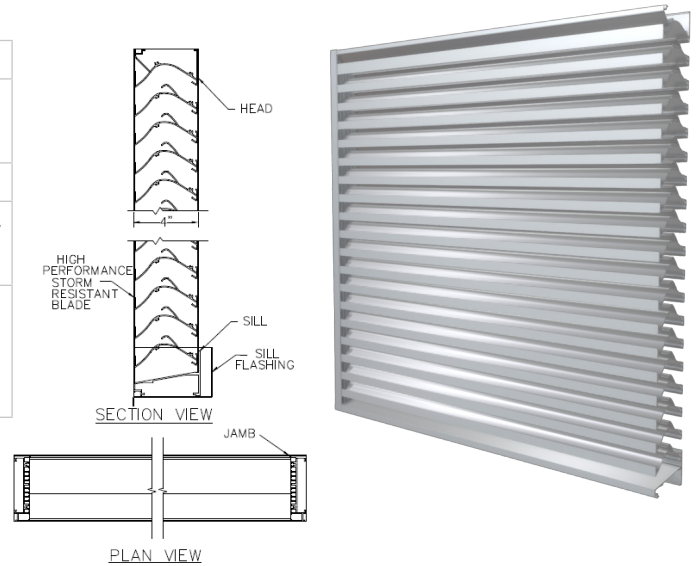


Model RS-4700
4" (101.6 mm) Storm Resistant Fixed Horizontal Louvre

Material:

Material:	6063-T6 Alloy
Nominal Thickness:	Heads: 0.060" (1.52 mm) Sills: 0.070" (1.78 mm) Jamb & Mullions: 0.063" (1.60 mm)
Nominal Blade Thickness:	0.060" (1.52 mm)
Furnished With:	Birdscreen: ½" intercrimp aluminum mesh, 0.063" diameter wire removeable aluminum bird screen in an aluminum frame
Additional Options (at additional cost):	Insect screen (in lieu of bird screen), Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames Integrated glazing frames



Test Summary:

For a 4 Foot by 4 Foot Unit.

Tested with mill finish and no screen

- Free area = 8.25 ft² (0.77 m²)
- Percent free area = 51.6%
- Free area velocity at the point of beginning water penetration (@ 0.01 oz. / ft² of free area based on a 15 minute interval test) = 1,250 FPM (6.35 m/s)
- To maintain a CLASS A (99%) effectiveness rating* with:
 - a 29.1 mph wind speed and rainfall rate of 3 in/hr
 - Max. intake core velocity 3.0 m/s (600 FPM)
 - Max. intake free area velocity 5.3 m/s (1,049 FPM)
- To maintain a CLASS A (99%) effectiveness rating* with:
 - a 50 mph wind speed and rainfall rate of 8 in/hr
 - Max. intake core velocity 1.5 m/s (290 FPM)
 - Max. intake free area velocity 2.6 m/s (507 FPM)

Discharge Coefficient

Intake Cd = 0.25 (Class 3)

AMCA certifies the coefficient class only



Construction Specialties Australia Pty Ltd certifies that the louvre model RS-4700 shown herein is licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Wind Driven Rain ratings, Water Penetration Ratings and Air Performance ratings.

Wind Driven Rain Performance: Tested with 1m² core area, mill finish and no screen*

29.1 mph (13 m/s) & 3" (75 mm) rain per hour

Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Core Velocity Through Louvre (ft/min):	0	132	197	287	377	469	600	684	773	880	985
Free Area Velocity (ft/min):	0	231	344	502	659	820	1049	1195	1351	1538	1721
Rating Effectiveness:	A	A	A	A	A	A	A	B	C	D	D
Effectiveness Ratio (%):					99.6	99.5	99.0	95.7	86.3	78.1	66.4

50 mph (22.3 m/s) & 8" (203 mm) rain per hour

Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	
Core Velocity Through Louvre (ft/min):	0	94	197	290	399	499	570	686	796	879	968	
Free Area Velocity (ft/min):	0	164	344	507	697	872	996	1199	1391	1536	1692	
Rating Effectiveness:	A	A	A	A	B	B	B	C	C	D	D	
Effectiveness Ratio (%):		99.4	99.2	99.0	98.4	97.1	95.1	89.5	81.2	75.7	68.5	
Effectiveness Rating:	A = 1 to 0.99			B = 0.989 to 0.95			C = 0.949 to 0.80			D = Below 0.80		

