

Wind Speed Reduction Test Results

Tabulated values are extracted from Test Report No. R11918

On completion of the wind speed test the shields were fully inspected and no evidence of damage was identified.

Fabric Wind Shield

Free Flow Wind Speed	Speed Recorded Behind Shield	Total Reduction in Speed	Percentage Reduction	Max Deflection
(mph)	(mph)	(mph)	(%)	(mm)
53	7	46	87	N/A
83	15	68	82	N/A
87	18	69	79	N/A
94	19	75	80	N/A
97	22	75	77	N/A
101	25	76	75	N/A

Single Skin Ladder Shield

Free Flow Wind Speed	Speed Recorded Behind Shield	Total Reduction in Speed	Percentage Reduction	Max Deflection
(mph)	(mph)	(mph)	(%)	(mm)
55	26	29	52.7	14
60	35	25	41.7	20
65	36	29	44.6	26
70	36	34	48.6	33
75	38	37	49.3	35
80	38	42	52.5	38

Double Skin Ladder Shield

Free Flow Wind Speed	Speed Recorded Behind Shield	Total Reduction in Speed	Percentage Reduction	Max Deflection
(mph)	(mph)	(mph)	(%)	(mm)
55	15	40	72.7	18
60	18	42	70	23
65	20	45	69.2	31
70	20	50	71.4	33
75	23	52	69.3	35
80	22	58	72.5	36

Wind Speed Reduction Test Results cont.

Mini ES Shield

Free Flow Wind Speed (mph)	Speed Recorded Behind Shield (mph)	Total Reduction in Speed (mph)	Percentage Reduction (%)	Max Deflection (mm)
53	17	36	68	14.8
82	31	51	62	33.3
87	32	55	63	48.5
94	35	59	63	61
97	37	60	62	69.6
101	38	63	62	76.5