

LANGFULTON
Est 1781 **ORSOGRIL** UK

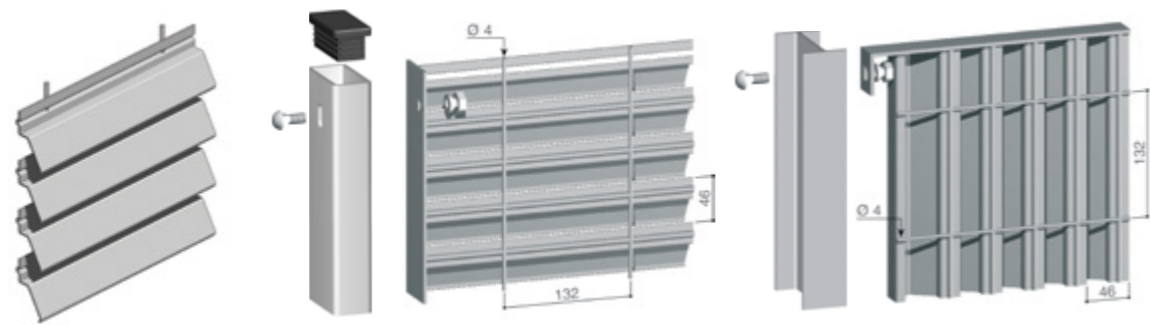
Italia



Case Study Italia-100

2.5m high fencing at Portavadie Marina Resort was supplied to screen service areas and to provide shelter for the café and outdoor pool. Panels and posts were engineered to cope with potential storm force conditions and polyester powder coated to a marine grade of finish.

Italia-100



PANEL			RHS POST	POST CENTRES	GROUND FIXING	WALL FIXING	BOLTS
HEIGHT mm	WIDTH* mm	WEIGHT kg	SECTION mm	mm	LENGTH/ANCHORAGE mm	LENGTH/ANCHORAGE mm	NO per post
967	1962	40	80x40	2002	1500/450	1300/200	2
1196	1962	49	80x40	2002	1800/550	1500/200	2
1608	1962	63	80x40	2002	2300/600	1900/200	2
1745	1962	69	80x40	2002	2500/700	2100/300	2
1975	1962	78	80x40	2002	2800/700	2400/300	2
2479*	1962	78+19	80x40	2002	3200/700	2800/300	4
2616*	1962	78+25	80x40	2002	3400/700	3000/300	4
2937*	1962	78+37	100x50	2012	3700/700	3300/300	4

ITALIA-100 Vertical: panels are made with vertical louvres available in heights up to maximum 2500x1992mm and supplied with 100x55mm I-posts centred at 2000mm
 * heights provided by 2 panels † custom widths made to order

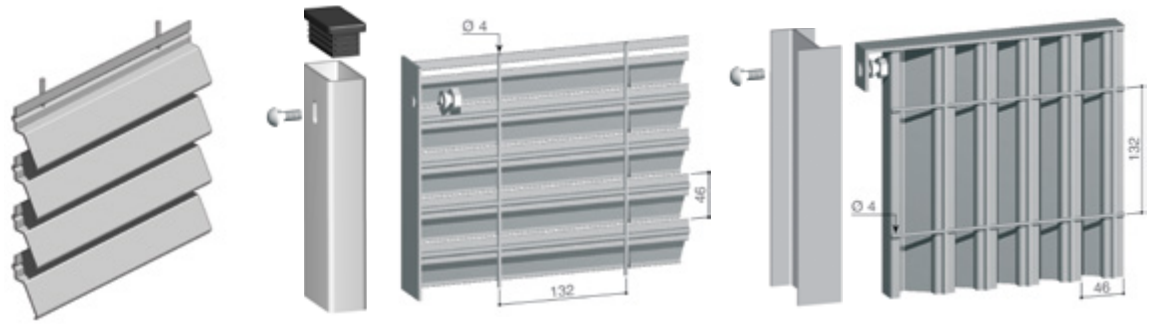
	VISUAL SCREENING %	FREE AREA %	CLEAR SPACE mm	LOUVRE CENTRES mm	LOUVRE PROFILE SECTION mm
Italia-100	100	29	0	46	69x1.5
Italia-100 Vertical	variable	29	0	46	69x1.5



Case Study Italia-100

The Sports Centre at Chelmsford is a major venue for athletics and Chelmsford City FC. A 1600mm high Italia-100 fence fulfilled the architect's brief for a durable, cost-effective, screening solution so that fans would be unable to watch matches without purchasing tickets. The fencing was mounted on a 850mm brick wall.

Italia-100



WEATHER LOUVRE TEST

RESULTS

3.2 COEFFICIENT OF ENTRY

MANUFACTURER Lang and Fulton Ltd
MODEL Italia-100

Date 22/07/2015
Contract 58940

air temperature 18.5 °C
barometer 1007 mbar
air density 1.198 kg/m³

louvre height 1028 mm
louvre width 1000 mm
louvre area 1.028 m²

louvre pd Pascals	louvre face velocity	air flow rate		coefficient C _e
	m/s	test m ³ /s	theoretical m ³ /s	
13.3	0.88	0.906	4.845	0.187
40.4	1.52	1.563	8.444	0.185
68.1	1.96	2.015	10.963	0.184
97.0	2.34	2.409	13.084	0.184
124.5	2.65	2.728	14.823	0.184
152.9	2.93	3.013	16.427	0.183
182.7	3.19	3.282	17.957	0.183
208.8	3.42	3.519	19.197	0.183
235.2	3.62	3.726	20.374	0.183
264.7	3.83	3.942	21.614	0.182
mean C _e				0.184
Class				4

