

Tests	Standard	Property or attribute	Measurement unit	Result	
				Parklex Facade S (Standard) Rev: 09 (02.2013)	Parklex Facade F (Fireproof) Rev: 10 (04.2013)
1. Inspection requirements					
Colour, pattern and surface finish	EN 438-8 Part 5.2.2.3	Due to the fact that wood is a natural product, each veneer may be considered as unique. Colour and structure differences are considered as normal. Singularities such as knots and resin inclusions are not considered as defects, but as a part of the décor. There are differences in light fastness performances depending on the wood species and the source of the wood.			
2. Dimensional tolerances					
Thickness (t)	EN 438-2 Part 5	6,0 ≤ t < 8,0	mm	± 0,40	
		8,0 ≤ t < 12,0		± 0,50	
		12,0 ≤ t < 16,0		± 0,60	
		16,0 ≤ t < 20,0		± 0,70	
		20,0 ≤ t < 25,0		± 0,80	
Flatness (1)	EN 438-2 Part 9	6,0 ≤ t < 10,0	mm/m	5,0	
		10,0 ≤ t		3,0	
Length and width	EN 438-2 Part 6	–	mm	+10 / -0	
Edge straightness	EN 438-2 Part 7	–	mm/m	1,5	
Edge squareness	EN 438-2 Part 8	–	mm/m	1,5	
3. Physical properties					
Dimensional stability at elevated temperatures	EN 438-2 Part 17	Cumulative dimensional change (t ≥ 6mm)	% max Longrain	0,3	
			% max Crossgrain	0,6	
Resistance to impact with large diameter ball	EN 438-2 Part 21	Maximum height for which no visible surface cracking or imprint greater than 10mm (t ≥ 6mm)	mm	≥ 1.800	
Tensile strength	EN ISO 527-2	Longrain Crossgrain	MPa	≥ 60	
Determination of graffiti resistance	ASTM D 6578:2000	Cleanability level	Permanent blue marker	4	
			Spray red paint	4	
			Wax black crayon	1	
			Water based black marker	2	
4. Weather resistance requirements					
Resistance to UV light	EN 438-2 Part 28 Rating according to EN 20105 – A02	Contrast	Grey scale rating	≥ 3	
		Aspect	Rating	≥ 4	
Resistance to artificial weathering (including light fastness)	EN 438-2 Part 29 Rating according to EN 20105 – A02	Contrast	Grey scale rating	≥ 3	
		Appearance	Rating	≥ 4	
5. CE Safety requirements					
Water vapour permeability	EN 438-7 Part 4.4	Wet cup method	μ	110	
		Dry cup method		250	
Resistance to fixings	EN 438-7 Part 4.5	Screw holding value t ≥ 6mm	N	> 2.000	
		Screw holding value t ≥ 8mm		> 3.000	
		Screw holding value t ≥ 10mm		> 4.000	
Flexural strength	EN ISO 178	Longrain	MPa	≥ 80	
		Crossgrain		≥ 80	
Flexural Modulus	EN ISO 178	Longrain	MPa	≥ 9.000	
		Crossgrain		≥ 9.000	
Thermal resistance/Conductivity	EN 12664	Thermal conductivity (λ)	W/m K	0,266	0,281
Resistance to climatic shock	EN 438-2 Part 19	Appearance	Rating	≥ 4	
		Flexural strength	Ds Rating	≥ 0,95	
		Elastic modulus	Dm Rating	≥ 0,95	
Density	EN ISO 1.183	Density	g/cm ³	≥ 1,35	
Resistance to wet conditions	EN 438-2 Part 15	Moisture absorbed	%	≤ 5	≤ 8
		Appearance	Rating	≥ 4	≥ 4
6. CE Safety requirements - Reaction to fire					
Reaction to fire	EN 13.501-1	Euroclass t ≥ 6mm Euroclass t ≥ 8mm	Classification	C-s2,d0	B-s1,d0

(1) Provided that the laminates are stored in the manner and conditions recommended by the manufacturer.

Panel measurements

Length (grain direction) x width	2440x1220mm	Thickness*	6, 8, 10, 12, 14, 18, 20 & 22mm
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* 6mm can only be used for special applications. Other thicknesses may be available upon request.

1.2. Transport

The panels must be correctly strapped down for transport, bearing in mind that they slide over each other easily and may become damaged. They must **always** be transported horizontally. The panels must never be transported loose or with broken straps. For short trips, inside workshops or at the construction site, fasten the panels using straps whilst protecting the edges in contact with the straps with cardboard protectors. Avoid the presence of rough objects or sharp edges between panels that may damage or scratch their surface. When moving panels on the same stack, lift them so that they do not scrape against each other.

Once the original packaging has been opened, we recommend that you only remove the Facade panels to be installed immediately. The remaining panels must be stored in conditions identical to those of the original packaging.

Removing the protective film

Panels for external use are covered with a protective film on their exposed side, which must be removed **immediately after** installing the panel, as prolonged exposure to the elements will cause the adhesive on the film to soil the panel.

1.3. Storage

Horizontal storage

Panels must be stored in a horizontal position, never in a vertical or inclined position. It is essential to keep them from resting on objects or debris that prevent the panels from being completely horizontal. The distance between supports must be ≤800mm.

Optimal condition storage

To prevent deformation, store in a clean, dry place, protected from rain and sun. Recommended storage conditions include a Temperature of 10-25°C and a Relative Humidity of 30-70%. Climatic and humidity differences on both panel surfaces should be avoided. In cases involving the installation of panel fixings (fixing brackets for example), they must be stored face to face and rear side to rear side. Storage time should never exceed five months from the date indicated on the delivery invoice. These instructions are also valid for components.

Random panel installation

Due to being made with natural wood, the Facade panels come in different shades to one another. We therefore recommend mixing panels from different pallets (respecting the packaging requisites) to avoid undesired aesthetic effects.

For cases involving extension or similar work, we recommend that you send us a sample.