



Kerrafont

Technical Data Sheet

FS-201, single board	
Profile type	FS-201, single board
Type	Classic WD
Material - Surface / Top Layer	embossed woodgrain Solid PVC and special modifiers in Ultra-Therm technology and the so-called "cold pigments" used in colouring of the top layer guarantee the best market resistance to high temperatures and colour stability
Material - Core	foamed closed-cell PVC (PVC-UE)
Colors	CLASSIC (9 colours): LIGHT COLOURS: White (WH), Creme (CR), Beige (BE), Claystone (CS), Light Grey (LG), DARK COLOURS: Anthracite (AN), Olive (OL), Grey (GR), Quartz Grey (QG) WOOD DESIGN (3 colours): DARK COLOURS: Wood Design Graphite (GP), Wood Design Silvergrey (SG), Wood Design Golden Oak (GO)
Lengths	CLASSIC FS-202, length 6000 mm CLASSIC FS-201, length 6000 mm CLASSIC FS-201 CONNEX, length 2950 mm WOOD DESIGN FS-201, length 6000 mm WOOD DESIGN FS-201 CONNEX, length 2950 mm
Storage	1. Preferably inside, on a dry, flat and firm base, without direct contact with the ground, in their protective sleeving. 2. Storage site should provide shelter from atmospheric conditions and prevent exposure to direct sunlight.
Transport	1. Transport on the pallet. 2. The profiles should be transported in a horizontal position. 3. If any visible flaws emerge or irregularities are detected, report them immediately to the seller before installation.
Installation temperature	1. The installation should be carried out at ambient temperatures of between +5°C a +30°C. 2. Prior to installation the profiles should be allowed to adjust to atmospheric conditions at the installation site for approx. 24 hrs.
Dilatation	1. Keep expansion gaps: the change in size due to significant changes in ambient temperature is a natural and inalienable feature of any item of almost any material, including cellular PVC. Therefore, during the installation always mind the necessity of maintaining ca 8-10 mm expansion gaps between panel ends and the inside parts of finishing trims, as shown in the drawings. 2. If the installation takes place in higher ambient temperatures (25-30°C) the clearance should be reduced to ca. 3-4 mm. 3. Bear in mind that with every 10°C of temperature change, total profile length may expand/contract by approx. 0.7 mm per each meter of length.
Ventilation	1. Keep ventilation gap behind the cladding panels as specified below: - Light colours of cladding (white, creme, beige, claystone, light grey, sand) - ventilation gap of min. 20 mm. - Dark colours (anthracite, olive, grey, quartz grey, blue, Wood Design colours) - and TREND colours (ivory, ivory stone, mastic, mastic stone, pearl grey, pearl grey stone, anthracite, anthracite stone) - ventilation gap min. 40 mm.

Working with the profiles	<p>1. Cellular PVC profiles and accessory trims can be worked using conventional carpentry tools for cutting, drilling and shaping. Saws with fine-toothed blades should be used and power tools should be operated at the same or higher speeds to those normally used for timber work.</p> <p>2. Do not modify the product by machining its surface or coating it with a layer of another material.</p> <p>3. Observe all the rules indicated in the instruction for installations and use.</p>
Installation - Preparation of the supporting structure	<p>1. The supporting structure should be made of timber battens or studs, fastened to walls directly or with the use of metal brackets.</p> <p>2. IMPORTANT: all battens should be levelled to reduce any surface irregularities; if necessary, use wedges to level out the irregularities.</p> <p>3. Timber battens requirements:</p> <ul style="list-style-type: none"> - should be made of good quality timber, free of knots, the humidity of 15-18%, suitably treated with preservative - should be firmly and reliably fixed using screws / wall plugs or other fixings suitable for the type of substrate - the spacing between intermediate battens/studs directly behind the cladding should not exceed 40 cm centers (max 60 cm for light colours: white, cream, beige, claystone, light grey) - at the corners of a wall and under joint trims use double battening (or battens of double width) <p>4. Battens/studs behind the facade cladding should always provide a proper ventilation gap behind the facade panels:</p> <ul style="list-style-type: none"> a) min. 20 mm for light colours (white, cream, beige, claystone, light grey, sand) b) min. 40 mm for all other colours
Installation of finishing trims	<p>1. Fix the ventilation trims and the starter trims and at the bottom of the area to be clad.</p> <p>2. IMPORTANT: in order for the cladding to be installed properly in a level fashion, the starter trims at the bottom of the walls MUST be level. Keep the ends of starting trims at least 5 mm apart to allow for expansion.</p> <p>3. Fix the inner parts of perimeter trims over supporting battens; fix vertical trims using specified fixings at recommended intervals of 30 cm.</p> <p>4. Do not fix outer parts of the 2-part trims before panels are installed.</p> <p>5. The outer parts should be put aside and protected from damage until ready for use.</p>
Installation of cladding boards	<p>1. Plan out the places of panel butt-joints on the area to be clad.</p> <p>2. If a center joint trim is to be used, it should be fixed on supporting batten at least of the same width (use 2 battens if necessary).</p> <p>3. If joint covers are to be used to butt-join adjacent panels, they should be staggered to make a regular pattern on a wall. Cut the panels to required lengths based on that planning.</p> <p>4. Mount the first cladding board on the starter trim, ensuring that the back leg of the panel is engaged in the trim slot.</p> <p>5. Board fixing should commence at the center of its length to the batten through the nailing slot or groove at the top edge, then work progressively outwards.</p> <p>6. Fasteners should always be placed in the middle of the length of a slot. If a nail slot falls outside a supporting batten, use a batten offcut, fasten it to the substrate under the required slot and screw the panel to the timber offcut with a fastener.</p> <p>7. Always make sure that each end of a board is screwed/nailed to a batten.</p> <p>IMPORTANT: Never drive the head of the fastener tight into the panel surface, as it may hinder any thermal movement. Keep a small clearance between the fastener heads and panel surface so that each panel can be moved horizontally left/right after all its fasteners have been screwed to the battens.</p>

	<p>IMPORTANT: Maintain expansion gaps between panel ends and the inside parts of the finishing trims, as indicated above. The gaps will subsequently be concealed by the outer parts of finishing trims.</p> <p>All joint covers and vertical trims must be fixed on supporting battens. Joint covers should be installed tight to the panel ends as work proceeds - their spacing lugs will automatically provide proper clearance between adjacent panel lengths. Joint covers cannot be placed directly one over another. Joint covers forming a vertical line should be separated from each other by at least 2 courses of cladding panels. Provide packing behind any panels cut along the top edge; panel off-cuts may be suitable for that purpose.</p> <p>1. Connex versions: continuous butt-joining within one course of boards up to 10 m sections (max 12m for light colours). For walls longer than 10 m the H-trim must be used in-between to create required sections. Butt-joining points must not be placed directly one over another.</p>
Fastening	stainless steel screws Ø3,5 x min.35 mm or ring-shanked nails Ø2,1 x min.38 mm; max. head diameter: 9 mm
Usage per 1 m ²	15 pcs
Factory-made nail slots	yes
Information for usage	During the use, possible colour changes caused by sunlight, in moderate climate, with air temperatures not exceeding +40°C, at a height of up to 1800 m above sea level, may have a homogeneous nature not exceeding the 3rd degree in the grey scale (EN 20105-A02).
Maintenance	virtually maintenance-free. Occasionally clean with a non-abrasive, mild household detergent solution of temperature not exceeding 40°C. No solvents or similar aggressive fluids should be used. Rinse the surface thoroughly with water after cleaning.
Sustainability	lead-free, 100% recyclable, all raw materials REACH compliant

Other parameters:

Parameter	Unit	Standard	Value
Weight (min - max)	kg/m ²		avg. 5 kg / 1m ² of coverage area
Thickness (thinnest point)	mm		6,5 mm
Thickness (thickest point)	mm		18 mm
Packaging	pcs/pack		PE milky-white sleeve, 2 pcs/pack
Total width	mm		219 mm
Covering width	mm		180 mm
Coverage (1 panel 6 m)	m ²		1,08
Coverage (1 panel 2,95 m)	m ²		0,531
Impact Strength	J	EN 13245-2	not less than 3J in -20°C 5J in 0°C 6J in +23°C
Reaction to fire	class	EN 13501-1	D-s3, d0 (Classic) E (Wood Design)
Water absorption	%	EN ISO 62	< 1
Flexural strength	MPa	EN ISO 178	>24
Flexural modulus	MPa	EN ISO 178	>1000
Expansion	%	PN-EN 13245-1 PN-EN 479	± 0,5% in +65°C ± 0,5% in +75°C
Resistance to stains (Stain tests)		PN-EN 438-2	3 - 5