

Technical data sheet

for Ecodek composite fence panels

Physical property	Test method	Value
Linear mass	EN 15534-1: 2014, 6.5	2.10 kg/m
Dimensions	EN 15534-1: 2014, 6.6.2	20 x 158 mm (+/- 2%)

Mechanical characteristics	Test method	Value
Resistance to salt spray (NSS test)	EN 15534-4:2014 Section 4.5.7 EN 15534-1:2014 Section 8.6 EN ISO 9227:2017	Exposure time (h): 200 $\Delta L^* = 0.03$ $\Delta a^* = 0.08$ $\Delta b^* = 0.03$ $\Delta E^* = 0.09$ Grey Sale = 5
Linear thermal expansion coefficient (-20°C~80°C)	EN 15534-4:2014 Section 4.5.6 EN 15534-1:2014 Section 9.2	$40.1 \cdot 10^{-6} K^{-1}$

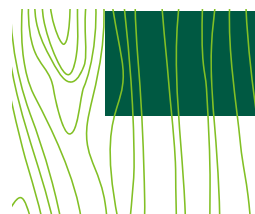
Durability	Test method	Value
Degree of chalking	EN 15534-4:2014 Section 4.5.7 EN 15534-1:2014 Section 10.1	After weathering test for 300 hours, there was no visual chalking on the surface.
Resistance to artificial weathering	EN 15534-4:2014 Section 4.5.5 EN 15534-1:2014 Section 8.1	After 300h exposure: $\Delta L^* = -0.68$ $\Delta a^* = 0.57$ $\Delta b^* = 1.04$ $\Delta E^* = 1.37$ Grey Sale = 4
Swelling and water absorption (28 days immersion)	EN 15534-1:2014 Section 8.3.1	Mean Swelling: 0.26 in thickness 0.05 in width 0.09 in length Max. Swelling: 0.39 in thickness 0.06 in width 0.14 in length Water absorption: Mean: 0.22 % Max.: 0.24 %

For more details

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