



TECHNICAL SPECIFICATIONS

CASTELLATION CLADDING


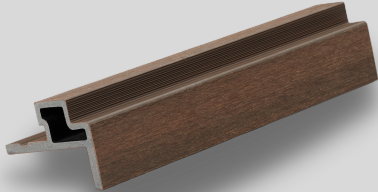



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PRODUCT DETAILS

Model	Photo	Dimension
PURA TECH IPE Castellation Cladding		150 x 27.5 x 3.6m (Effective cover 140mm)
PURA TECH IPE End Trim		90x48x3.6m
PURA TECH IPE Corner Trim		90x90x3.6m

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N°	Property	Test Method	Test results
1	Brinell hardness	EN15534	8.2N/mm ²
2	Property	EN15534	Water absorption in weight: 0.49%
3	Bond Strength	EN319	Average Bond Strength > 2.3MPa No obvious abrasion and damage after test
4	Coefficient Linear Thermal Expansion	ASTM D696	35.6×10 ⁻⁶ mm/mm°C
		EN15534	34.0×10 ⁻⁶ K ⁻¹
5	Content of pentachlorophenol	CE (EN14041(2004)	2.99ppm
6	Degree of chalking	EN15534	Rating 0, no chalking.
7	Fire Resistance	EN13501-1 EN ISO11925-2	Reaction to fire classification: E
8	Formaldehyde Content	EN717-1	Non Detected
		ASTM D6007-14	Non Detected

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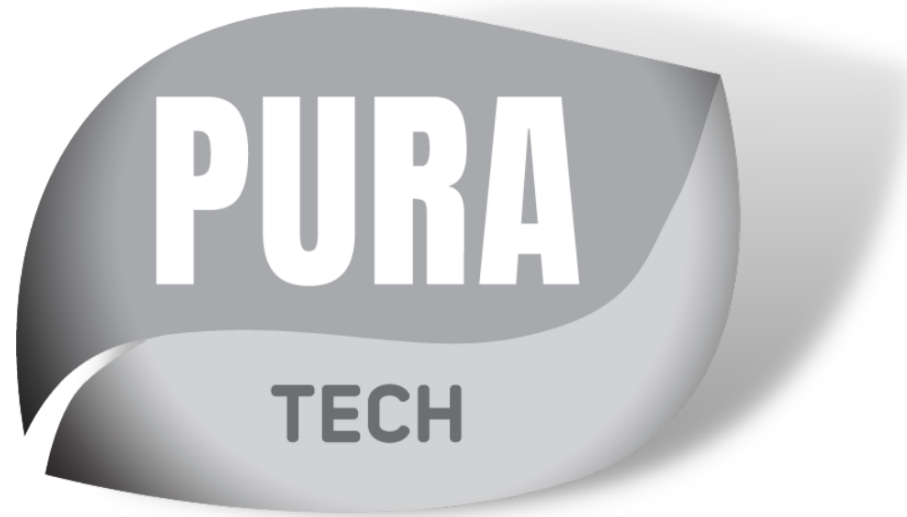
N°	Property	Test Method	Test results
9	Heavy Metal Content	EPA3051	Sb: ND, As: ND, Se: ND, Sn: ND
10	Heat reversion	EN15534 EN479	0.17% (Test temperature: 100
11	Heat build-up	EN15534	$\Delta T = -2.7 \text{ }^\circ\text{C}$
12	Lead Content Test	EUNo.628/2015	Non Detected
13	Mould resistance	ASTM G21	Rating 0
14	Moisture Content	EN15534 EN322	0.83%
15	Neutral salt spray test	ASTM B117-2011	After 200 hours tests, there was no visible change appeared on the surface: Front surface: $\Delta E^* = 1.22$, Grey Scale: 4-5 Back surface: $\Delta E^* = 1.06$, Grey Scale: 4-5
		EN15534 ISO9227	$\Delta E^* = 1.42$, Grey Scale=4 (Exposure 96h)

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N°	Property	Test Method	Test results
16	Pb, Cd, Hg, Cr ⁶⁺	RoHs-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr 6 + : ND
17	Resistance to scratch test	ISO4586-2	Rate 2
18	Resistance to indentation	EN15534	Apply 2000N load Brinell hardness: 60Mpa, Rate of elastic recovery: 64%
19	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^*=1.09$, Grey Scale=4-5
20	Rockwell Hardness	ASTM D785	78.7R
21	Swelling and water absorption (24hours immersion)	EN15534-1 EN15534-4	① Swelling: 0.43% in thickness, 0.02% in width, 0.03% in length. ② Water absorption: 0.11%
22	Swelling and water absorption (28days immersion)	EN15534	① Swelling: 0.67% in thickness, 0.04% in width, 0.07% in length. ② Water absorption: 0.27%

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N°	Property	Test Method	Test results
23	SRI Testing	ASTM C1549 ASTM C1371 ASTM E1980	19
24	Surface Bond quality	EN319	>2.08MPa
25	Thermal Resistance	ASTM C518-2010	Thermal conductivity: 0.1589W/(m·k) Thermal resistance: 0.0830(m ² ·K)/W
26	Thermal conductivity	CE (EN14041(2004))	0.19738W/m·K
27	UV Weathering test	ASTM G154	After 3000 hours test, Grey Scale ₃ , $\Delta E^* = 3.56$
28	VOC&TVOC	ASTM D5116-11	Non Detected
29	Water absorption	ASTM D1037	Water absorption(24h): 0.12%
30	Installation Span	Manufacturers Specification	500mm on center



 It is the customer's responsibility to determine the suitability of PURA TECH for their particular private or commercial installation. PURA COMPOSITES can provide test reports to help.



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