

No.	Test Item	Test method	Test Condition	Test result	Requirement in prEN 15534-4	Conclusion
1	Flexural properties	prEN 15534-4: 2012 Section 4.4.2 and prEN 15534-1: 2012 Annex A	Specimen: 500x144x29.2mm Testing speed: 9.1mm/min Span: 400mm (declared by the manufacturer)	See table 1	Maximum load $\geq 3300\text{NN}$ (arithmetic mean value)	Pass
					Maximum load $\geq 3000\text{NN}$ (individual values)	
					Deflection under a load of 5000N $\leq 2.0\text{mm}$ (arithmetic mean value)	
					Deflection under a load of 5000N $\leq 2.5\text{mm}$ (individual values)	
2	Maximum load (surface withdrawal)	With reference			–	–
3	Resistance to artificial weathering	With reference to prEN 15534-4: 2012 Section 4.4.5, prEN 15534-1: 2012 Section 8.1, EN ISO 4892-2: 2006, ISO 7724-1-1984, ISO 7724-2-1984, ISO 7724-3-1984 and client's requirement	Test cycle: EN ISO 4892-2: 2006 cycle1 Irradiance: $(0.51 \pm 0.02) \text{ W}/(\text{m}^2 \cdot \text{nm}) @ 340\text{nm}$ 102 min light at $(65 \pm 3)^\circ\text{C}$ BST, $(50 \pm 10)\%$ RH 18 min light and water spray Filter: Daylight Exposure period: 300h	See table 2 and note 1	ΔL^* , Δa^* , Δb^* shall be declared and $AE^* \leq 15$	Pass
4	Swelling in thickness	EN 317: 1993	Specimen: 50x50x29.2mm Immersion condition: $20 \pm 1^\circ\text{C}$, 24h	0.05% See note 2	–	–
5	Linear mass (applicable to profiles)	prEN 15534-4: 2012 Section 4.3 and prEN 15534-1: 2012 Section 6.5	Specimen: 51x145x29.2mm	See table 3	Individual values $\geq 95\%$ declared value by the manufacturer	–
6	Moisture content	ISO 16979: 2003	Specimen: 100x145x29.2mm Drying condition: $103 \pm 2^\circ\text{C}$ to constant mass	0.93% See note 3	–	–

TABLE 1	Specimen No.	1	2	3	4	5	6	7	8	Average
	Maximum load, N	4400	3662	4378	3821	3657	3883	4530	3939	4034
	Deflection under a load of 500N, mm	0.74	0.74	0.74	0.73	0.71	0.77	0.75	0.76	0.74

TABLE 2	Sample	ΔL^*	Δa^*	Δb^*	ΔE^*_{ab} (D65, 100)
	1	-0.56	1.33	0.77	1.6

TABLE 3	Specimen No.	1	2	3	Average
	Test result	2920g/m	2904g/m	2947g/m	2924g/m

Notes:

- ΔL^* , Δa^* , Δb^* and ΔE^*_{ab} values were measured by sphere spectrophotometer under D65 standard light source and with 10° observer. The results include specular reflection condition, 2mm aperture.
- Swelling in thickness, % = (Thickness after immersion - Thickness before immersion) / Thickness before immersion x 100.
- Moisture content, % = (Mass before drying - Mass after drying) / Mass after drying x 100.