deceuninck

TECHNICAL DATA SHEET **Elegant PVC-U window profiles (*) colour 003**

We hereby declare that the Elegant window profiles (*) in colour 003, produced by Deceuninck, correspond with the specifications of EN 12608-1:2026, at the time of delivery.

Technical specifications:

Characteristic	**Unit**	**Method**	**EN 12608-1**	**Value**
Profile density	kg/dm³	EN ISO 1183-1	To declare by manufacturer	1.44 – 1.46 (nominal); ± 0.02
Ash content - *optional*		EN 12608-1 5.8 & 6.6 / EN ISO 3451-5 Method A with calcination temperature of 950 ± 50 °C	To declare by manufacturer	Declared by manufacturer
Charpy impact resistance	kJ/m²	EN 12608-1 Annex A Table A.1 / EN ISO 179-1 Type 1fA adapted	Average ≥ 55 kJ/m² (profile class A) ≥ 60 kJ/m² (profile class B)	According to standard EN 12608-1
Flexural modulus of elasticity	MPa	EN 12608-1 Annex A Table A.1 / EN ISO 178	Average ≥ 2200	According to standard EN 12608-1; declared by manufacturer
Vicat softening point	°C	EN 12608-1 Annex A Table A.1 / ISO 306/B50	Average ≥ 75	According to standard EN 12608-1; declared by manufacturer
Tensile impact strength	kJ/m²	EN 12608-1 Annex A Table A.1 / EN ISO 8256 type 5	Average ≥ 600	According to standard EN 12608-1; declared by manufacturer

Characteristic	Unit	Method	EN 12608-1	Value
Resistance to artificial weathering (colour fastness)		EN 12608-1 Annex A Table A.1 / EN 513	dE* ≤ 5; db* ≤ 3	Method 1 (climate M) / method 2 (climate S); According to standard EN 12608-1
Resistance to weathering (reduction in charpy impact strength after artificial weathering)		EN 12608-1 Annex A Table A.1 / EN 513	≤ 40 % (profile class A); ≤ 30 % (profile class B)	Method 1 (climate M) / method 2 (climate S); According to standard EN 12608-1
Heat reversion		EN 12608-1 5.5 / EN 479	Main profiles: ≤ 2 %; Auxiliary profiles: a) ≤ 2 % for glazing beads intended to be used externally; b) ≤ 2 % for false mullion profiles affecting the air permeability and water tightness of the window; c) ≤ 3 % for auxiliary profiles not covered by a) and b). Main profiles: difference in heat reversion between sight surfaces ≤ 0,4 %	According to standard EN 12608-1
Behaviour after heating at 150 °C		EN 12608-1 5.6 / EN 478	No defects	According to standard EN 12608-1

Characteristic	Unit	Method	EN 12608-1	Value
Resistance to impact of main profiles by falling mass – *optional*		EN 12608-1 5.8 & 6.7 / EN 477	Max. 10 % failures	According to standard EN 12608-1
Weldability	N/mm²	EN 12608-1 5.7 / EN 514	Mean failure stress: ≥ 25 (tensile bending test); ≥ 35 (compression bending test); if depth or overall width ≥ 100 mm, mean failure stress: ≥ 20 (tensile bending test); ≥ 28 (compression bending test) test passed if a measured force of ≥ 8 000 N is reached (compression bending test)	According to standard EN 12608-1
Thermal expansion (-10 to 70 °C)	mm/mm.°C	Internal method		$7{,}7.\ 10^{-5}$
Reaction to fire		EN 13501-1 / EN 13823 & EN ISO 11925-2		Class B s_3 d_0

(*): glass fibre reinforced profiles of type Linktrusion are not part of the scope of the EN 12608-1

The test results relate only to a sample used by the Deceuninck laboratories. Whilst the Deceuninck laboratories warrant that their tests will meet their applicable declared specifications, the Deceuninck laboratories make no other warranty, expressed or implied and accept no responsibility or liability in respect of false results which are within the limits of the declared specifications of the tests offered. No representation or warranty is given by Deceuninck or any of its officers or employees as to the accuracy of any test methods or test results. Neither Deceuninck nor any of its officers or employees shall have any liability or responsibility in respect of any laboratory or the accuracy of any test methods, test results or reports produced by any Deceuninck laboratory.

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