

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 12608-1:2016 + A1:2020, at the time of delivery.

Technical specifications:

Characteristic	Unit	Method	EN 12608-1	Value
Profile density	kg/dm ³	EN ISO 1183-1	To declare by manufacturer	1.44 – 1.46 (nominal); ± 0.02
Charpy impact resistance	kJ/m ²	EN 12608-1 5.8 / EN ISO 179-1 Type 1fA adapted	Average ≥ 55 kJ/m ² (profile class A) ≥ 60 kJ/m ² (profile class B)	Average ≥ 55 kJ/m ² (profile class A) ≥ 60 kJ/m ² (profile class B)
Flexural modulus of elasticity	MPa	EN 12608-1 A.4.2 / EN ISO 178	Average ≥ 2200	Declared by manufacturer
Vicat softening point	°C	EN 12608-1 A.4.1 / ISO 306/B50	Average ≥ 75	Declared by manufacturer
Tensile impact strength	kJ/m ²	EN 12608-1 A.4.3 / EN ISO 8256 type 5	Average ≥ 600	Average ≥ 600 kJ/m ²
Resistance to weathering (colour fastness)		EN 12608-1 5.9 / EN 513	dE* ≤ 5; db* ≤ 3	Method 1 (climate M) / method 2 (climate S); dE* ≤ 5; db* ≤ 3

Characteristic	Unit	Method	EN 12608-1	Value
Resistance to weathering (reduction in Charpy impact strength after artificial weathering)		EN 12608-1 / EN 513	≤ 40% (profile class A); ≤ 30% (profile class B)	Method 1 (climate M) / method 2 (climate S); ≤ 40% (profile class A); ≤ 30% (profile class B)
Heat reversion		EN 12608-1 5.5 / EN 479	≤ 2% main profiles; ≤ 3% auxiliary profiles Main profiles: difference in heat reversion between sight surfaces ≤ 0,4 %	≤ 2% main profiles; ≤ 3% auxiliary profiles Main profiles: difference in heat reversion between sight surfaces ≤ 0,4 %
Behaviour after heating at 150 °C		EN 12608-1 5.7 / EN 478	No defects	No defects
Resistance to impact of main profiles by falling mass		EN 12608-1 5.6 / EN 477	Max. 10% failures	Max. 10% failures
Weldability	N/mm ²	EN 12608-1 5.10 / 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)	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)

Characteristic	Unit	Method	EN 12608-1	Value
Thermal expansion (-10 to 70 °C)	mm/mm.°C	Internal method		7,7. 10 ⁻⁵
Reaction to fire		EN 13501-1		Class E

(*): glass fibre reinforced profiles 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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