

Thermal insulated windows Unique slimness

Only 23 mm facing width
excellent thermal insulation
optional burglary-resistance RC2
in steel



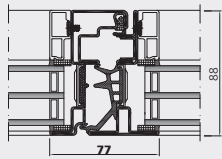
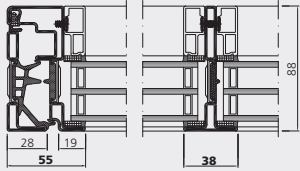
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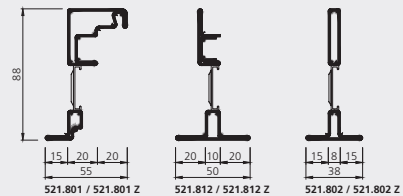
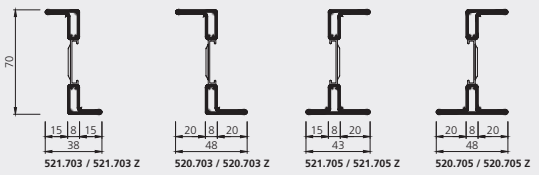
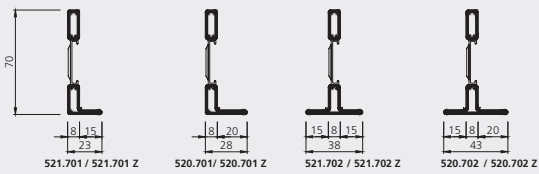
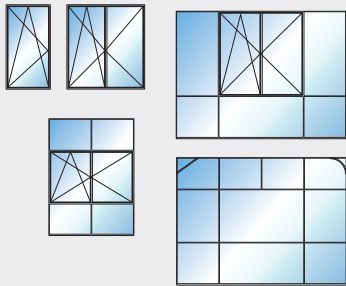
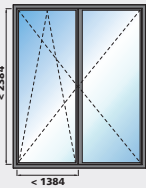
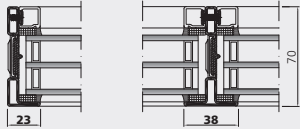
Private home, Amsterdam, The Netherlands, forster unico XS



Leaf



Frame / fixed glazing



Unique ultra-slim profiles for thermal insulated windows












ONLY 23 MM. forster unico XS is a system addition that provides thermal insulated window elements and fixed glazing with ultra-slim facings. At the same time, it opens up a diversity of applications. This applies to the numerous opening variations as well as the possibility of installing fillings up to 60 mm to achieve very low U values and excellent sound insulation values.

The unique profile design made of 100% steel is ideally suited for renovating old or historic buildings and for modern glass constructions.

Optionally, you also design your elements with burglary resistance RC2.

Technical details

Material options	Bright steel and continuously galvanised steel
Face width	Single and double vent casements from 55 mm Fixed glazing from 23 mm
Dimensions	Tested casement sizes up to 1402 x 2402 mm (W x H) Minimum allowable size 360 x 520 mm (W x H) Maximum dimension for fixed glazing 2800 x 2500 mm (W x H)
Fittings	Concealed system for both single and double casements of side-hung and turn/tilt windows for casement weight up to max. 150 kg Outward opening, top hung and pivoting window possible, on demand
System properties	Stove enamelling or powder coating with no temperature restrictions Glazing beads in aluminium 15–50 mm and in steel 15 and 19 mm Wet glazing, stress-relieved and drained
Performance specifications	Thermal insulation: U_w -values up to 0.84 W/(m ² ·K), fixed glazings up to 0.8 W/(m ² ·K) Burglary resistance RC2 Enhanced tightness from three circumferential sealing layers Filling elements up to 60 mm (triple insulation glazing) All system applications comply with EN 14351-1 (CE marking) Sound insulation values up to $R_w = 47$ dB

Figure			
Window size in mm	1340 x 1376	1402 x 2402	2538 x 1480
Characteristics	Class / Value		
 Resistance to wind load	C5 / B5	C4 / B4	C4 / B4
 Watertightness	E 1050	9A	8A
 Air permeability	4	4	4
 Operating forces	1	1	1
 Mechanical strength	4	4	4
 Resistance to repeated opening and closing	2	2	2
 Impact resistance	3	3	3
 Load-bearing capacity of safety devices	Requirement fulfilled		



*Pottbakeryrijge, Groningen, The Netherlands, thermal insulated glazing
forster unico XS, doors in forster unico*

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