

Windows with high insulation

NEW

forsterunico[®]

In steel and stainless steel



forsterunico[®] **Hⁱ**

U_w 1.0

forster

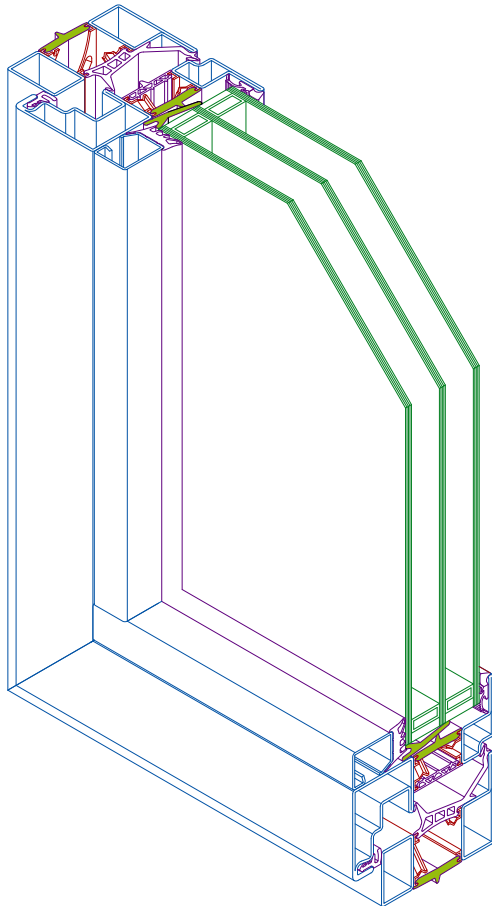
STEEL AND STAINLESS STEEL PROFILE SYSTEMS



forster unico® Hi

Simply ecological System Forster unico Hi for very efficient heat insulating windows and fixed screens

Steel
Stainless steel



Forster unico Hi combines all the benefits of standard Forster unico systems with even higher insulation parameters.

The latest technology, energy efficiency, attractive design and the ecological use of materials interact to achieve responsible and sustainable construction.

Impressively simple

Simple and effective

Forster unico Hi for windows comply with the latest requirements for heat protection, e.g. EnEV 2009 (DE) for U_w values under $1.3 \text{ W}/(\text{m}^2\cdot\text{K})$

Simple and variable

With a structural depth of 88 mm, 2- or 3-pane insulated glazing up to 60 mm is integratable – for U_w values of up to $0.9 \text{ W}/(\text{m}^2\cdot\text{K})$

Simple construction

Only two additional components are needed to make a Forster unico window into a very efficient heat insulating Forster unico Hi window.

Simply ecological

Forster unico Hi with profiles made of 100% steel need no plastic insulators or fillings in the profile sections. This underlines the ecological design of the system.

Simple and sleek design

Extremely slim profile cross-sections for rooms flooded with light

Simply awesome

Excellent static parameters for the profiles allow large panes without additional extensions.

Simply safe

- All system requirements tested to EN 14351-1 (CE Marking)
- Burglary resistant RC 1-3 as per EN 1627-30 for windows and fixed screens
- Bullet resistant Class FB4 as per EN 1522 for windows and fixed screens

Accessories



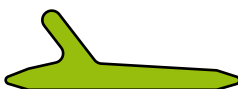
985315

Rebate cover Hi

made of PE, with closed pores

Installation: on the glazing rebate side in the leaf and on the wall side in the frame

Sales unit = 100 m



985314

Insulation wedge Hi

made of PE, with closed pores

Installation: in the leaf rebate

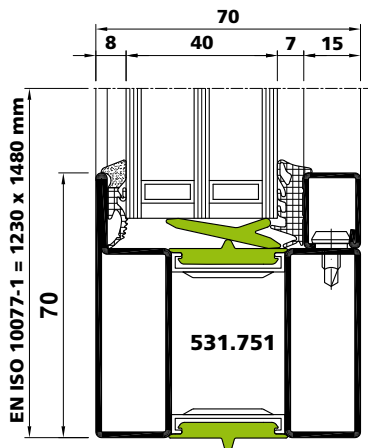
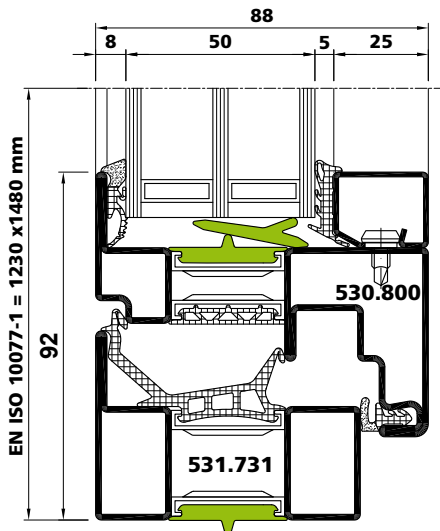
Sales unit = 100 m

Simply great.



Steel
Stainless steel

forsterunico® Hi



Window U_w value

Standard sizes as per EN ISO 10077-1: w 1230 x h 1480 mm

Glass U_g 0.5 W/(m²·K)

Glass edge seal Ψ value 0.04 W/(m²·K)

Stainless steel

Coated steel

U_w 1.0

U_w 1.1

Fixed screen U_w value

Standard sizes as per EN ISO 10077-1: w 1230 x h 1480 mm

Glass U_g 0.6 W/(m²·K)

Glass edge seal Ψ value 0.04 W/(m²·K)

Stainless steel

Coated steel

U_w 0.9

U_w 1.0



U_w values of windows as per EN ISO 10077-1, Table F.3

Glass U _g	Frame	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.6	3.0	3.4	3.8
	U _f	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.6	3.0	3.4	3.8
1.1		1.2	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.7	1.9	2.0	2.1
1.0		1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.6	1.7	1.8	1.9	2.0
0.9		1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	2.0
0.8		0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.7	1.8	1.9
0.7		0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.5	1.6	1.7	1.8
0.6		0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8
0.5		0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.7

Glass-to-frame ratio: 30 %

Standard size: 1230 mm wide x 1480 mm high

Glass edge seal Ψ value = 0.08 W/(m²·K)

■ U_w complies with EnEV 2009 (DE)
(Energy Conservation Regulations)

Reading example: Even with a U_f value of 2.6 W/(m²·K), a 3-pane insulated glass with U_g 0.5 W/(m²·K) complies with the required U_w value of 1.3 W/(m²·K).