

# Non-insulated windows, doors and fixed glazing

in steel and stainless steel

*forster presto EW60 fire-resistant doors  
De Dukdalf school, Dronten, the Netherlands*

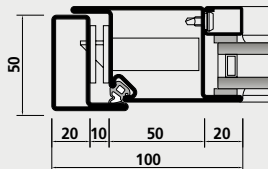
**forster**norm  
**forster**presto

# Non-insulated windows, doors and fixed glazing

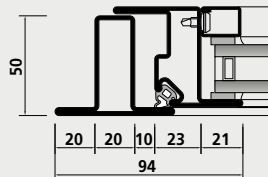
Doors, glazing and windows can be constructed with the non-insulated profile system forster norm. By selecting the respective profile, opening perforated windows, window hinges as well as doors and partition walls in various designs are possible. The comprehensive range of profiles with various different structural depths means the sky's the limit when it comes to creativity, offering a wide range of possible combinations.



forster norm 50 door



forster norm 50 window



## Technical specifications

Material variants	Bright steel, brushed stainless steel	
Face widths	Door leaf with frame from 100 mm	
	Window and overlapping casement with frame from 94 mm	
	Fixed glazing from 40 mm	
Fittings	Attached and concealed flush fittings, both fittings matching the system and commercially available fittings can be used	
System features	Design variants: Revolving door with single/double leaf, with optional sidelight and fanlight	
	Flush sheet metal door	
	Window opening inwards: turn/tilt and turn/tilt windows, single or double leaf	
	Fixed glazing	
	Recessed version	
	Structural depth 34, 40, 50 and 60 mm	
	Glazing beads in aluminium and steel	
	Wet glazing	
	Performance characteristics*	Resistance to wind loads Class C3/B3 according to EN 12210
		Watertightness Class 5A according to EN 12208
Air permeability Class 3 according to EN 12207		
Impact resistance Class 3 according to EN 13049		
Barrier-free according to DIN 18040		
	Sound insulation up to $R_w = 46$ dB according to EN ISO 140-3	

\*Take note of the country-specific approvals and requirements



800 window elements with round arches  
Tour & Taxis, Brussels, Belgium

# Non-insulated windows, doors and fixed glazing

forster presto is the complete profile system with fittings and accessories for installing flush single-leaf and double-leaf doors, glass walls, porches and windows without thermal protection requirements. The elements stand for safety and elegance, and meet the highest requirements under extreme continuous load.



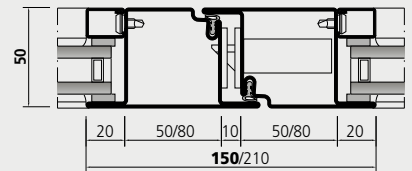
## Technical specifications

Material variants	Bright steel, steel zinc magnesium, brushed stainless steel
Face widths	Door leaf with frame from 120 mm
	Window and overlapping casement with frame from 80 mm
	Fixed glazing from 40 mm
Fittings	Attached and concealed flush fittings
System features	Design variants: Revolving door with single/double leaf, with optional sidelight and fanlight
	Flush sheet metal door
	Window opening inwards: turn/tilt and turn/tilt windows, single double leaf
	Fixed glazing
	3D screw-on hinge for presto 50 & 60S
	Structural depth 50 mm and 60 mm
	Glazing beads in aluminium and steel
	Wet and dry glazing
Performance characteristics*	CE marking according to EN 16034 and EN 14351-1
	Fire protection E30-E120 and EW30-EW60 according to EN 1634-1
	Smoke protection $S_a$ or $S_{200}$ according to EN 1634-3
	Durability of self-closing properties Class 8 according to EN 12400 (tested up to 1 million cycles according to EN 1191)
	Doors for escape and emergency routes (partial and full panic system) according to EN 179 and EN 1125
	Burglary resistance RC2 and RC3 according to EN 1627
	Resistance to wind loads Class C3 (door) and C3/B3 (window) according to EN 12210
	Watertightness Class 8A (door) and 9A (window) according to EN 12208
	Air permeability Class 4 (door) and 3 (window) according to EN 12207
	Impact resistance Class 5 (door) and 3 (window) according to EN 13049
	Operating forces Class 3 (door) according to EN 12217 and Class 1 (window) according to EN 13115
	Barrier-free according to DIN 18040
	Finger trapping protection according to DIN 18650 and EN 16005
	Sound insulation up to $R_w = 48$ dB (door) and $R_w = 42$ dB (window) according to EN ISO 140-3

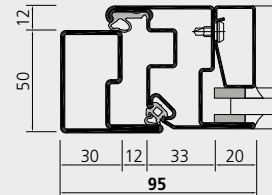
\*Take note of the country-specific approvals and requirements



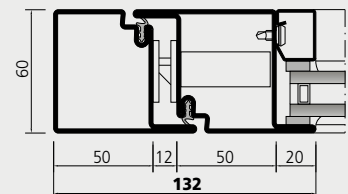
forster presto 50 door



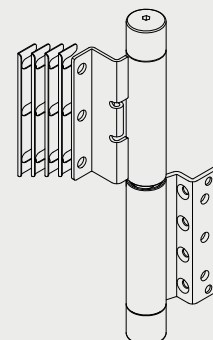
forster presto 50 window



forster presto 60S door



3D screw-on hinge



forster presto fire-resistant doors  
Court Overijssel, Zwolle, the Netherlands



Doors and glazing  
Ypres Cloth Hall, Belgium



forster presto EW60 fire-resistant doors  
De Dukdalf school, Dronten, the Netherlands

908364/10012682/02-23