

STEEL DOOR



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GATES | DOORS | FENCES

EXTERNAL AND INTERNAL STEEL PROFILE DOORS

Application: Steel profile doors are intended for use as closure of staircases in multi-family housing and in public buildings. They may be used as internal or external doors, with glazed or solid leaves, with outswing or inswing operation, with sidelights and toplights



DURABILITY

High strength parameters are ensured thanks to the use of appropriate methods of connecting door profiles. Together with top-class materials, we are able to provide a stable and durable design of the door that is resistant to physical agents and weather conditions.



SAFETY

Using appropriate safeguards (hardware, anti-burglary bolts or special panes) allows us to provide doors that comply with specific risk classes and the requirements of the construction law. The doors are tested in accordance with the newest European standards, which allows us to provide the best protection to our customers.



FUNCTIONALITY

Double hopper gaskets inserted into the leaf and frame profile are provided in steel doors. The gaskets are installed on the inside and on the outside of the leaf, which provides the required tightness and dampens the noise during closing.



STEEL PROFILE DOOR EXTERNAL

*Jansen JANISOL door*

Product description

Description

The frame and leaf are made of superior quality steel sections with a thermal break and a section wall thickness of 1.5 to 2 mm. The sections are joined together by welding. The welds are ground and polished for an aesthetic finish. The welded structure ensures proper stiffness and resistance to deformation with reliable operation under the most extreme conditions of use.

Leaf infill:

The door leaf can be infilled with a two-chamber double-sided safety glazing unit or a thermal insulation panel made of two steel sheets with an insulating core.

Gaskets system

Hopper gaskets are installed around the entire circumference of the leaf, (except for the threshold side) and frame by press-fitting into specially shaped grooves. The gaskets are installed on the inside and on the outside of the leaf, which provides the required tightness and dampens the noise during closing.

Accessories

The doors feature two steel hinges with bearings for a superior comfort of leaf opening and closing. The hinges are welded to the frame and leaf structure, which eliminates the settling of the leaf and the need to adjust the hinges. The standard external steel profile doors feature a single three-point lock with a Class C lock cylinder, complete with keys, and the Jupiter door handle in brushed nickel (to imitate stainless steel).

Certification documents

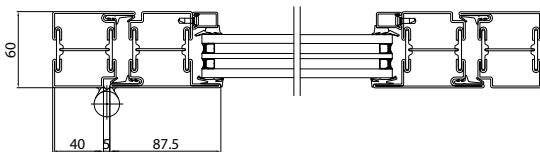
PN-EN 14351-1+A1:2010 Windows and doors – Product standard, performance characteristics – Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics

Profile systems

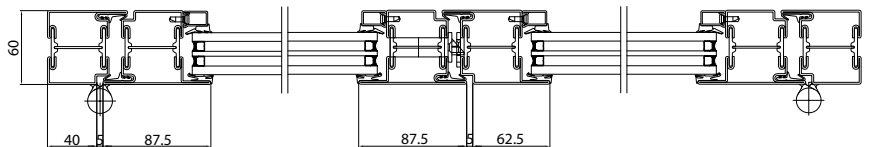
JANSEN JANISOL 1.5 W/(m²K) for dimensions 1280 mm x 2600 mm

plastic thermal break, threshold 22.5 [mm] high with 6 [mm] embedding in the floor

Single-leaf door



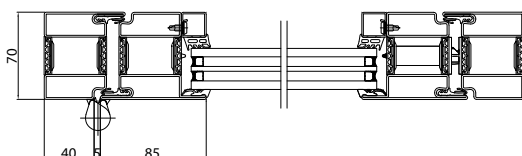
Double-leaf door



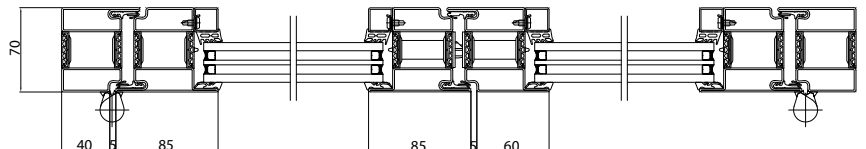
FORSTER UNICO 1.48 W/(m²K) for dimensions 1200 mm x 2500 mm

thermal break made of stainless steel, the threshold is a drop-down seal

Single-leaf door



Double-leaf door





STEEL PROFILE DOOR INTERNAL



Forster PRESTO door with a sidelight, PIVOT hinges and a utility post with an installed intercom.

Product description

Description

The frame and leaf are made of superior quality steel sections without a thermal break and with a section wall thickness of 1.5 to 2 [mm]. The sections are joined together by welding. The welds are ground and polished for an aesthetic finish. The standard doors are fitted with a threshold made of a 20 x 40 [mm] section. The welded structure ensures proper stiffness and resistance to deformation with reliable operation under the most extreme conditions of use.

Leaf infill:

The door leaf can be infilled with a safety glass pane or a safety glazing unit or a thermal insulation panel made of two steel sheets with an insulating core.

Gaskets system

Hopper gaskets are installed around the entire circumference of the leaf, (except for the threshold side) and frame by press-fitting into specially shaped grooves. The gaskets are installed on the inside and on the outside of the leaf, which provides the required tightness and dampens the noise during closing.

Accessories

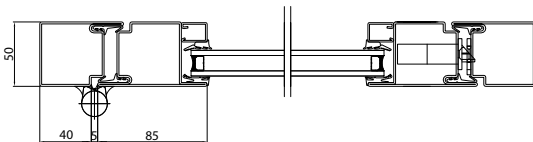
The standard internal steel profile doors feature two steel hinges with bearings for a superior comfort of leaf opening and closing, a single mortise lever lock with a lock cylinder complete with three keys, and the Jupiter door handle in brushed nickel (to imitate stainless steel).

Profile systems

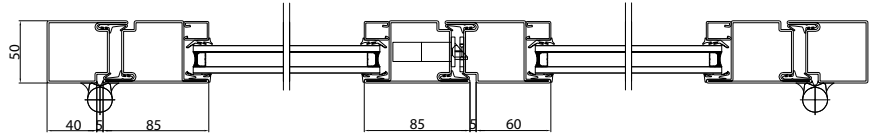
JANSEN ECONOMY 50

no thermal break, threshold made of a 20 x 40 [mm] section

Single-leaf door



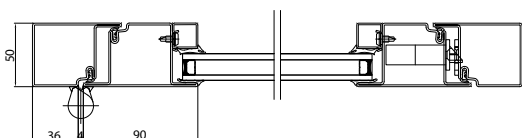
Double-leaf door



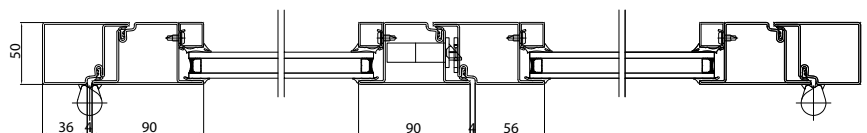
FORSTER PRESTO

no thermal break, threshold made of a 20 x 40 [mm] section

Single-leaf door



Double-leaf door





Accessories

Handles and holders

Handles and holders
Jupiter



Handles
and holders
Denver



Cremona bolt



Pull handles and tubular pulls

Tubular pulls



M2 300 mm

HS pull handle



300 mm 500 mm

Door closers and lever

Door closer
link arm type



Door closer
rail type



Anti-panic lever



Access control systems

Keypad



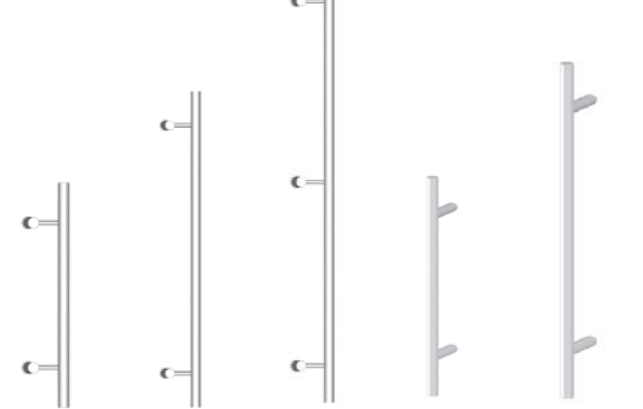
Proximity key fob / Card / Reader



Proximity card reader



Prestige pulls



P5, short
580 mm

P5, oblong
960 mm

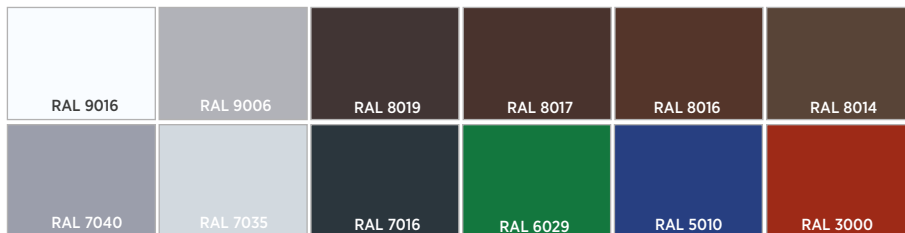
P5, long
2000 mm

P45, short
580 mm

P45,
oblong
1200 mm

Colours

The leaf frame, the opening frame and the panel sheets are powder coated. The surfaces are abrasive blasted before powder coating. The powder coating is applied in two layers, a priming basecoat and a decorative topcoat. **Powder coats in standard MAT colours.**

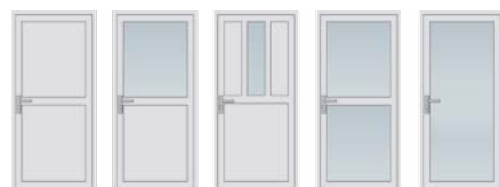


Note: Colours shown in this brochure are indicative only. Steel profile doors are available in any RAL colour (except for colours with pearl, reflective or metallic finish).

Non-standard colours: Other RAL, mat structure colour

Final product examples

Single-leaf door



A B C D E

Double-leaf door



A B C D E Wall



Ordering dimensions and installation dimensions

Door type		Door dimensions in relation to the installation opening		Clear passage	
		Sd	Hd	Sj	Hj
Single-leaf	Jansen JANISOL	So (from 10 [mm] to 40 [mm] installation clearance).	Ho (from 5 [mm] to 20 [mm] installation clearance).	Sd - 181 [mm]	Hd - 82 [mm]
	Forster UNICO			Sd - 193 [mm]	Hd - 65 [mm]
Double-leaf	Jansen JANISOL	So (from 10 [mm] to 40 [mm] installation clearance).	Ho (from 5 [mm] to 20 [mm] installation clearance).	Sd I - 126 [mm]	Hd - 82 [mm]
	Forster UNICO			Sd I - 137 [mm]	Hd - 65 [mm]

So - opening width,

Sd - door ordering width,

Sj - clear passage width of single-leaf doors

Sj = Sd - 181 [mm] for the Jansen JANISOL system
and Sj = Sd - 193 [mm] for the Forster UNICO system

Sd I - double-leaf door active leaf width,

Sd II - double-leaf passive leaf width,

Sj I - clear passage within the active leaf (double-leaf door)

Sj I = Sd I - 126 [mm] for the Jansen Janisol system
and Sj I = Sd I - 137 [mm] of the Forster UNICO system

Sj II - clear passage within the active leaf (double-leaf door)

Sj II = Sd - 232 [mm] for the Jansen JANISOL system
and Sj II = Sd - 254 [mm] for the Forster UNICO system

Ho - opening height,

Hd - door ordering height,

Hj - clear passage height

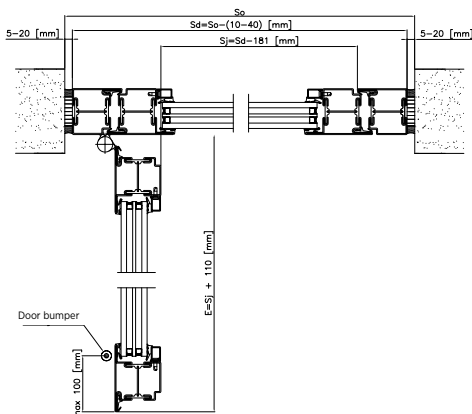
Hj = Hd - 82 [mm] for the Jansen JANISOL system

and Hj = Hd - 65 [mm] for the Forster UNICO system

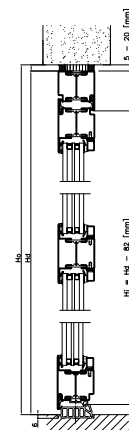
E - space required for opening the leaf, as seen from the opening direction $E = S_j (S_j I) + 110$ [mm] for the Jansen JANISOL system and $E = S_j (S_j I) + 125$ [mm] for the Forster UNICO system

Installation in the opening in Jansen JANISOL door

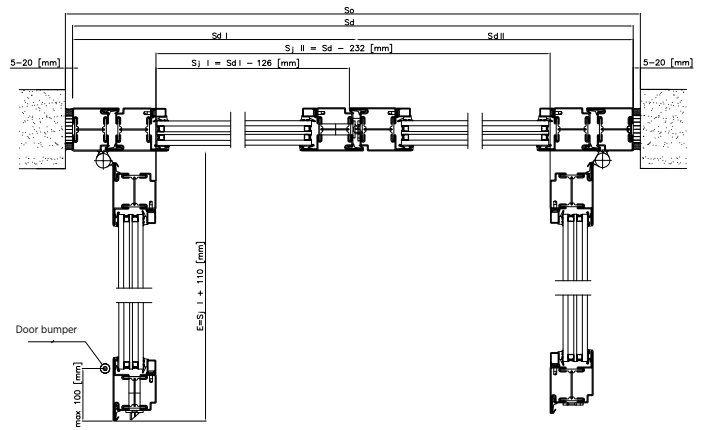
Single-leaf door



Single-leaf and double-leaf door

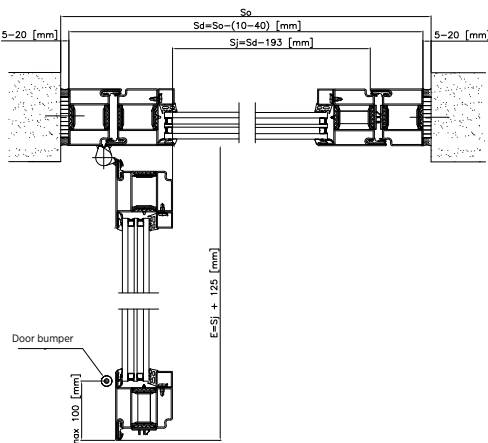


Double-leaf door

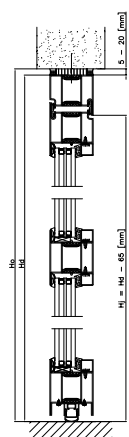


Installation in the opening of Forster UNICO door

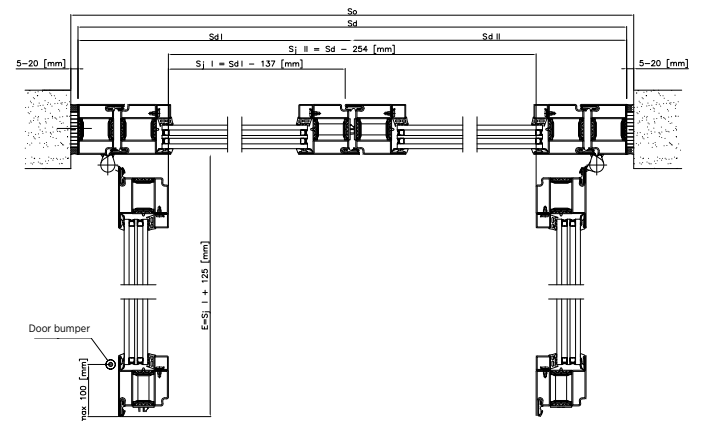
Single-leaf door



Single-leaf and double-leaf door



Double-leaf door





Door type		Door dimensions in relation to the installation opening		Clear passage	
		Sd	Hd	Sj	Hj
Single-leaf	Jansen ECONOMY 50	So (from 10 [mm] to 40 [mm] installation clearance).	Ho (from 5 [mm] to 20 [mm] installation clearance).	Sd - 171 [mm]	Hd - 85 [mm]
	Forster PRESTO			Sd - 175 [mm]	Hd - 90 [mm]
Double-leaf	Jansen ECONOMY 50	So (from 10 [mm] to 40 [mm] installation clearance).	Ho (from 5 [mm] to 20 [mm] installation clearance).	Sd I - 116 [mm]	Hd - 85 [mm]
	Forster PRESTO			Sd I - 120 [mm]	Hd - 90 [mm]

So - opening width,

Sd - door ordering width,

Sj - clear passage width of single-leaf doors

Sj = Sd - 171 [mm] for the Jansen ECONOMY 50 system

and Sj = Sd - 175 [mm] for the Forster PRESTO system

Sd I - double-leaf door active leaf width,

Sd II - double-leaf passive leaf width,

Sj I - clear passage within the active leaf (double-leaf door)

Sj I = Sd I - 116 [mm] for the Jansen ECONOMY 50 system

and Sj I = Sd I - 120 [mm] for the Forster PRESTO system

Sj II - clear passage within the active leaf (double-leaf door)

Sj II = Sd - 232 [mm] for the Jansen ECONOMY 50 system

and Sj II = Sd - 210 [mm] for the Forster PRESTO system

Ho - opening height,

Hd - door ordering height,

Hj - clear passage height

Hj = Hd - 85 [mm] for the Jansen ECONOMY 50 system

and Hj = Hd - 90 [mm] for the Forster PRESTO system

E - required space for leaf swing, as seen from the opening direction.

E = Sj (Sj I) + 100 [mm] for the Jansen ECONOMY 50 system

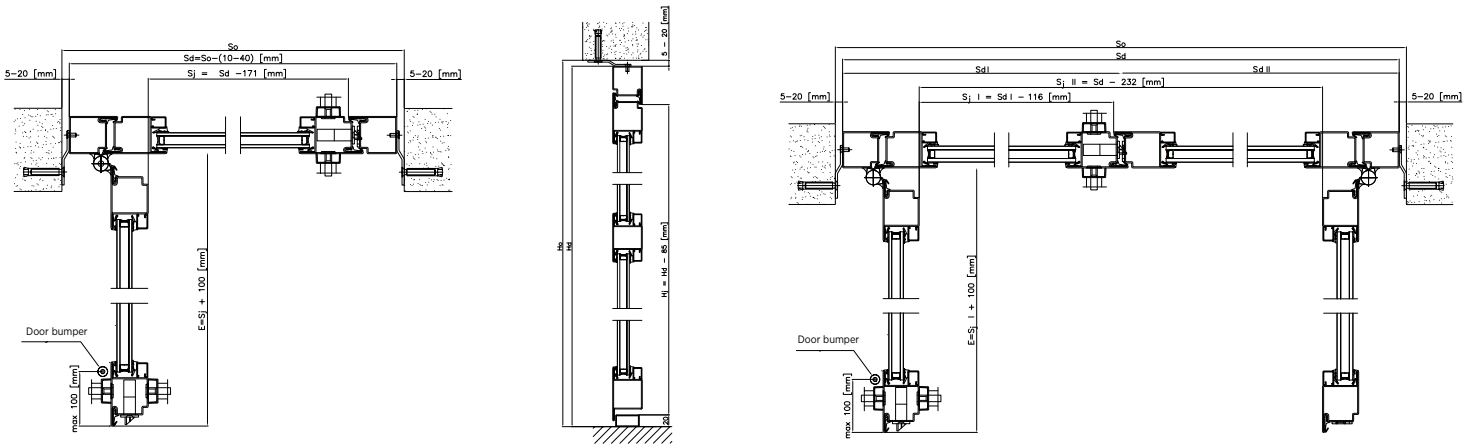
and E = Sj (Sj I) + 110 [mm] for the Forster PRESTO system

Installation in the opening of Jansen ECONOMY 50 door

Single-leaf door

Single-leaf and double-leaf door

Double-leaf door

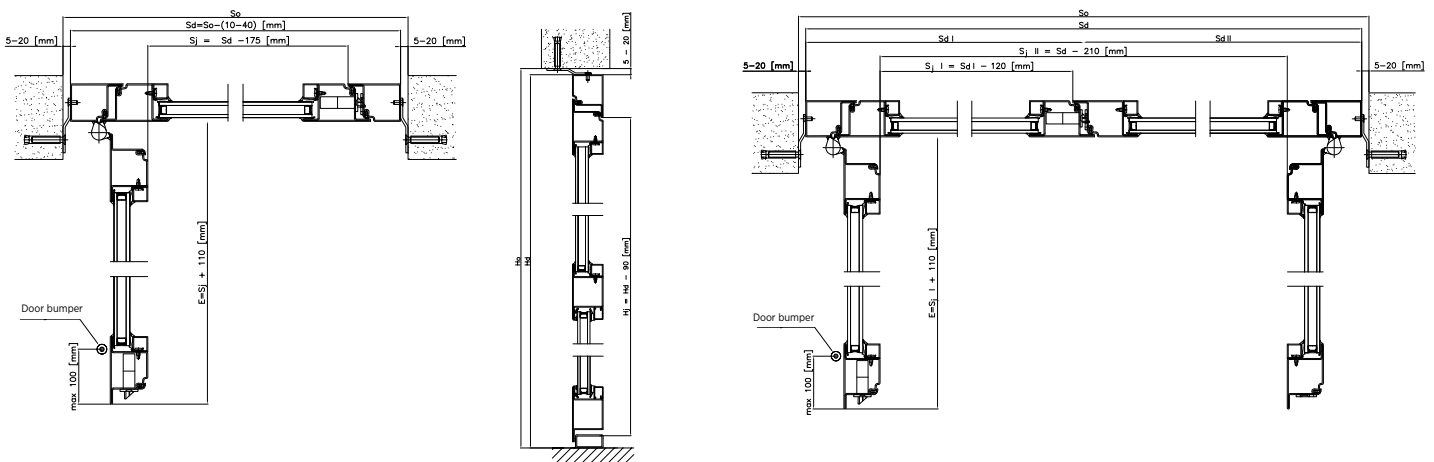


Installation in the opening of Forster PRESTO door

Single-leaf door

Single-leaf and double-leaf door

Double-leaf door





Reference buildings





Technical data

Door name	Steel profile doors			
	Jansen JANISOL	Forster UNICO	Jansen ECONOMY 50	Forster PRESTO
Door type	external		internal	
Opening direction	left or right, inswing or outswing.			
no. of leaves	single-leaf and double-leaf and with side and top daylightes			
Maximum width/height [mm]: - Single-leaf door - Double-leaf door	1490 x 3000 2890 x 3000	1270 x 2500 2240 x 2500	1390 x 2855 2690 x 2855	1600 x 2800, for 1400 x 3050 3000 x 2800, for 2850 x 3050
Hinges	welded to the frame and leaf structure		welded to the frame and leaf structure	
Lock	three-point lock		mortise lever lock	
Cylinder	Class C with five keys and 2 service keys		with three keys	
Door handle	Jupiter in brushed nickel (to imitate stainless steel)			
Infill	safety glazing unit or a panel		safety glass pane or a safety glazing unit or a panel	
Gaskets	hopper gaskets		hopper gaskets	
Standard colours	RAL 9016, RAL 9006, RAL 8019, RAL 8017, RAL 8016, RAL 8014, RAL7040, RAL 7035, RAL 7016, RAL 6029, RAL 5010, RAL 3000.			
Non-standard colours	Other RAL, mat structure colour			
Additional options	<ul style="list-style-type: none"> • hinges with height adjustment • daytime latching mode (with the optional roller latch) • additional lock, complete with a lock cylinder, • Stainless steel Denver handle, • Denver stainless steel pull - handle, • Prestige tubular pull, • electromagnetic strike, • door closer (link arm type or rail type, with position lock, hidden), • anti-panic hardware, • access control system: keypad, proximity reader, key fob, card, • automatic drop-down seal (optional in Jansen Janisol system, standard in Forster Unico system), • support foot, • door bumper, 		<ul style="list-style-type: none"> • barrel lock with a lock cylinder and three keys and a welded pull or a set of stainless steel pulls, • additional lock, complete with a lock cylinder, • Class C anti-burglary lock cylinder, • Stainless steel Denver handles, • Denver stainless steel pull - handle, • tubular pull, Prestige, HS, • electromagnetic strike, • anti-burglary bolts, preventing prising the door open, • three-point bolt lock with class C anti-burglary lock cylinder, • door closer (link arm type or rail type, with position lock), • anti-panic hardware, • access control system: keypad, proximity reader, key fob, card, • ventilation grille, 480 x 80 [mm] or ventilation holes, diameter 35 [mm], • PIVOT hinges (hidden, safe) with a utility post • hardware on electromagnetic latches, • door bumper, • support foot, • brush instead of a threshold, • cremone bolts. 	
Heat transfer coefficient	1.5 W/(m²K)* <small>*for dimensions 1280 x 2600 mm</small>	1.48 W/(m²K)* <small>*for dimensions 1200 x 2500 mm</small>	-	



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