



PUBLIC SERVICES BUILDING IN QUIMPER (29)  
ARCHITECT: HERVÉ POTIN (44)  
SYSTEM: TS 68 - ETI INSTALLATION



RESTRUCTURING OF A COLLEGE PLOUFRAGAN (22)  
ARCHITECT: DDL ARCHITECTES  
SYSTEMS: CW 50 - TS 68 ETI



PRIVATE HOUSE BELGIUM  
ARCHITECT: AC+T  
SYSTEM: TS 68-HV



TOGETHER FOR BETTER

# TS 68 - TS 68-HV

HIGH-PERFORMANCE WINDOWS WITH VISIBLE OR HIDDEN VENTS



### REYNAERS ALUMINIUM NV/SA

Oude Liersebaan 266  
B-2570 Duffel  
info@reynaers.com  
t +32 15 30 85 00  
f +32 15 30 86 00  
www.reynaers.com

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Oude Liersebaan 266, B-2570 Duffel

TECHNICAL CHARACTERISTICS		
APPLICATION / DESIGN	TS 68 FUNCTIONAL	TS 68-HV HIDDEN VENT
Base of frame	68 mm	68 mm
Visible width frame	86 mm	69 mm
Visible width vent	77 mm	invisible
Visible width central vent (2vts)	106 mm	70 mm
Max. dimension / vent (WxH/mm)	1200 x 2300	1200 x 2300
Max. weight / vent	90 kg (OF) - 120 kg (OB)	90 kg (OF) - 120 kg (OB)
Glazing	Up to 52 mm	Up to 46 mm
Closure / security	Multi-points	Multi-points
Reduced mobility solution	Threshold ≤ 20 mm at thermal bridge break in compliance with the DTU 36.5 and the directives of the CSTB	
Bicoloration	yes	yes
Fitting / Application	New / Renovation & External Thermal Insulation (ETI)	
DTA - CSTB n°	6 / 14-2195	Integration into DTA 6 / 14-2195 in progress

PERFORMANCES - TS 68										
ENERGY										
Thermal insulation (1) EN ISO 10077-2	<b>Uw = 1,4 W/m²K</b> - Window 1 vent TS 68-HI - W = 1200 x H = 1480 - Ug = 1,0 W/m²K - Sw = 0,56 - TLw = 0,57 <b>Uw = 1,3 W/m²K</b> - Glazed door 1 vent TS 68-HI+ - W = 1200 x H = 2180 - Ug = 1,0 W/m²K - Sw = 0,57 - TLw = 0,59 <b>Uw = 1,0 W/m²K</b> - Window 1 vent TS 68-HI+ - L = 1200 x H = 1480 - Ug = 0,6 W/m²K - Sw = 0,57 - TLw = 0,59									
ACOUSTIC										
Acoustic performance EN ISO 140-3; EN ISO 717-1	Rw (C ; Ctr) = 44 (-1; -3) dB									
COMFORT										
Air tightness (2) EN 1026; EN 12207	1 (150 Pa)	2 (300 Pa)	3 (600 Pa)	4 (600 Pa)						
Water tightness (3) EN 1027; EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	REI050 (1050 Pa)
Wind load resistance, max. test pressure (4) EN 12211; EN 12210	1 (400 Pa)	2 (800 Pa)	3 (1200 Pa)	4 (1600 Pa)	5 (2000 Pa)		Exxx (> 2000 Pa)			
Wind load resistance to frame deflection (4) EN 12211; EN 12210	A (≤ 1/50)		B (≤ 1/200)			C (≤ 1/300)				

PERFORMANCES - TS 68-HV										
ENERGY										
Thermal insulation (1) EN ISO 10077-2	<b>Uw = 1,5 W/m²K</b> - Window 1 vent TS 68-HV - L = 1200 x H = 1480 - Ug = 1,0 W/m²K - Sw = 0,56 - TLw = 0,57 <b>Uw = 1,4 W/m²K</b> - Glazed door 1 vent TS 68-HV HI - L = 1200 x H = 2180 - Ug = 1,0 W/m²K - Sw = 0,57 - TLw = 0,59									
ACOUSTIC										
Acoustic performance EN ISO 140-3; EN ISO 717-1	Contact us									
COMFORT										
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Wind load resistance to frame deflection (4) EN 12211; EN 12210	A (≤ 1/50)		B (≤ 1/200)			C (≤ 1/300)				

(1) The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.  
(2) The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.  
(3) The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.  
(4) The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A,B,C). The higher the number, the better the performance.



# TS 68

HIGH-PERFORMANCE  
FUNCTIONAL  
WINDOW

FUNCTIONAL



# TS 68-HV

HIGH-PERFORMANCE  
HIDDEN-VENT  
WINDOW

HIDDEN VENT



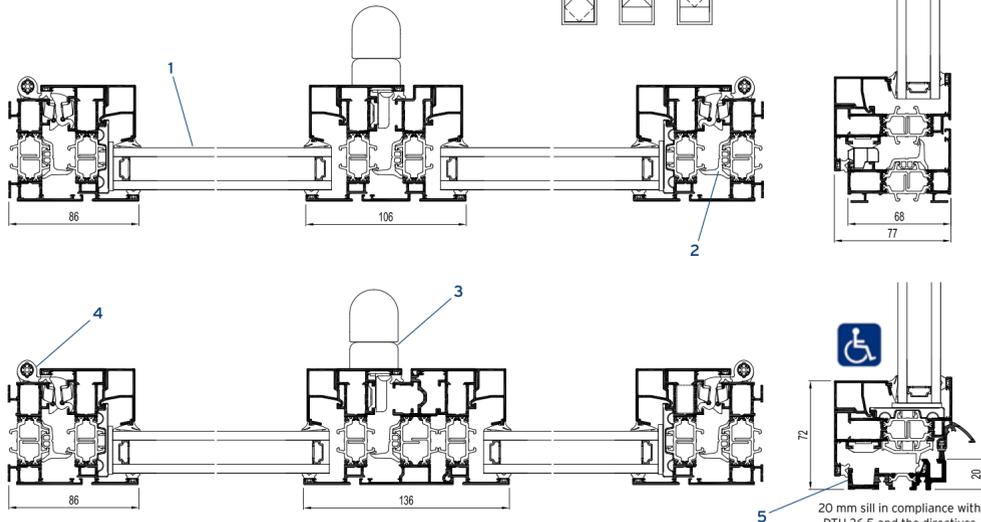
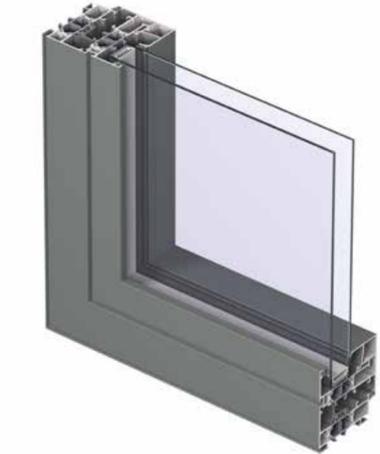
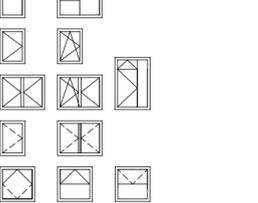
## Fitting solution with ETI - Available for TS 68 & TS 68-HV

External Thermal Insulation (Example below with TS 68 visible vent)

### PRODUCT BENEFITS

- System with several insulation levels  $U_f$  from 1.5 to 1.0  $W/m^2K$
- Solution for ETI fitting (External Thermal Insulation) as standard
- Visible or hidden hardware
- Sill adapted to the accessibility of Persons with Reduced Mobility (PMR)

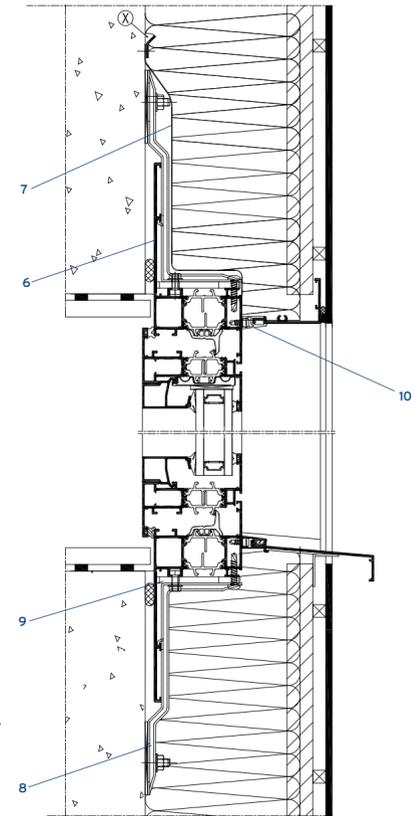
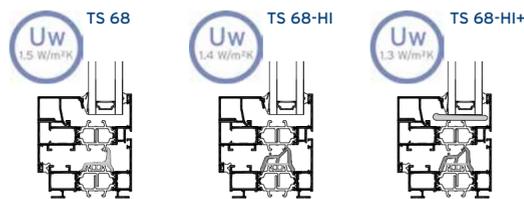
### Window & Glazed Door Applications



### Lexicon Cross-cuts & Sections TS 68

- Glazing up to 52 mm
- Peripheral central gasket
- Multi-point closure
- Clampable 2- or 3-leaf hinges
- Anodised thermal bridge break sill
- ETI frame
- Sealing membrane
- Fixing bracket
- Insulating block
- Clip

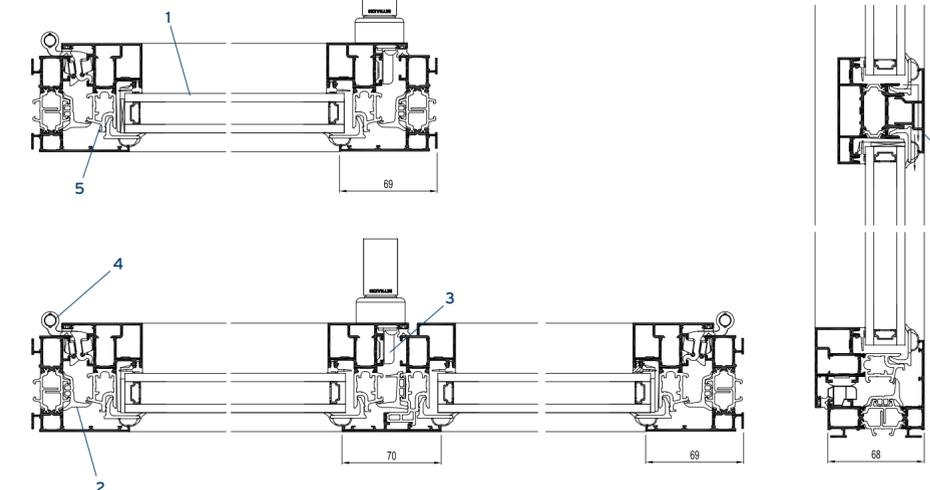
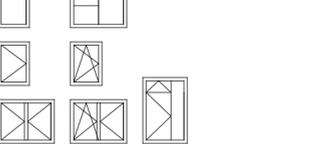
### TS 68 - System with 3 levels of insulation



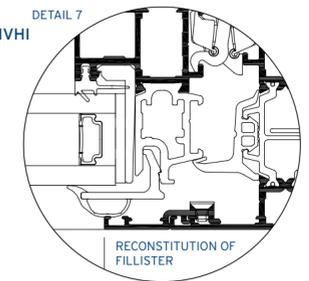
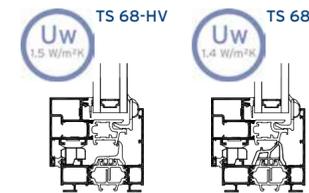
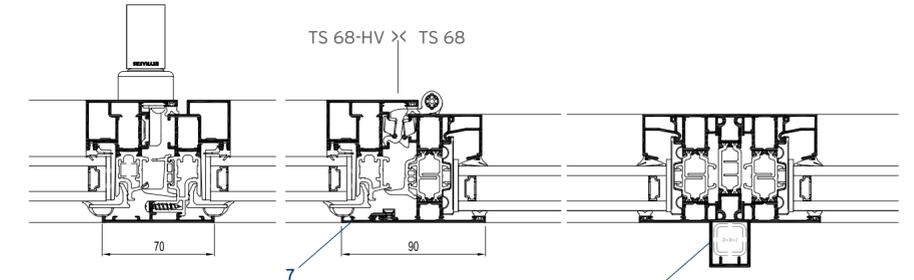
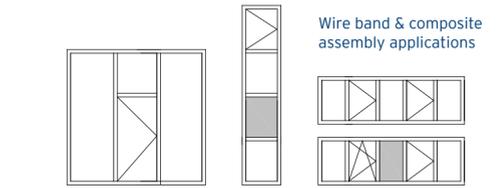
### PRODUCT BENEFITS

- Finesse of view masses and optimised daylight hidden vent (fixed = vent)
- Central rebate reduced to 70 mm
- Thermal bridge break vent
- Glazing system up to 46 mm
- Integration profile for mixed compositions TS 68 / TS 68-HV
- Sill adapted to the accessibility of Persons with Reduced Mobility (PMR)
- Excellent thermal and acoustic performance

### Window & Glazed Door Applications



## TS 68 - TS 68-HV mixed compositions



### Lexicon Cut-outs & Sections TS 68-HV

- Glazing up to 46 mm
- Peripheral central gasket
- Multi-point closure
- Clampable 2- or 3-leaf hinges
- Thermal bridge break vent
- Intermediate crosspiece with invisible drainage
- Reconstitution of fillister for mixed composition
- Bracing
- Expansion joint
- Junction pieces

