



Teckvicom^{7L}

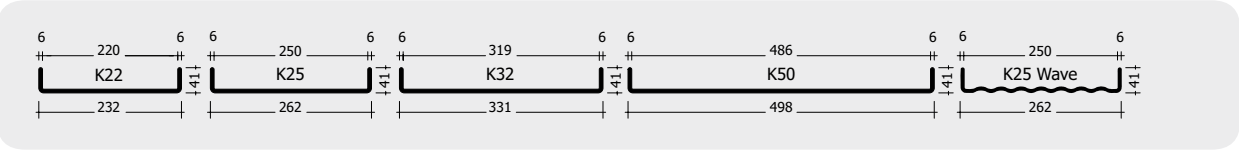
Pilkington **Profilit[™]**

Technical Information on Pilkington **Profilit[™]**
Profiled Glass with System

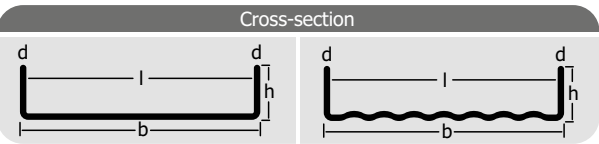
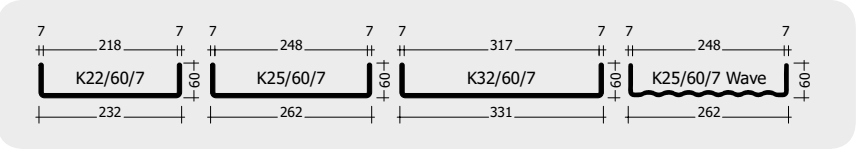
English Edition

The Pilkington **Profilit™** delivery programme

Glass thickness 6 mm, flange height 41 mm



Glass thickness 7 mm, flange height 60 mm



Tolerances: $b \pm 2.0 \text{ mm}$
 $d \pm 0.2 \text{ mm}$
 $h \pm 1.0 \text{ mm}$
Cutting tolerances of $\pm 3.0 \text{ mm}$ are allowed.
Tolerances according to EN 572-7. Dimensions are nominal.

Pilkington Profilit™	K 22/60/7 OW	K 22/60/7	K 25/60/7 OW	K 25/60/7	K 32/60/7 OW	K 32/60/7	K 22 OW or K 22	K 25 OW	K 25	K 32 OW or K 32	K 50 OW or K 50
504	●	●	●	●	●	●	○	⊙	●	○	○
504 wire	⊙	●	●	●	○	○	○	○	●	○	○
504 16 wires	—	—	○	⊙	—	—	—	—	—	—	—
low-e plus	○	○	●	●	○	○	○	○	○	○	○
low-e plus wire	○	○	○	⊙	○	○	○	○	○	○	○
Plus 1.7	⊙	●	●	●	⊙	⊙	○	○	●	○	○
Plus 1.7 wire	○	⊙	○	⊙	○	○	○	○	○	○	○
Antisol	○	○	○	○	○	○	○	○	○	○	○
Antisol wire	○	○	○	○	○	○	○	○	○	○	○
Amethyst	○	○	○	●	○	○	○	○	○	○	○
Amethyst wire	○	○	○	⊙	○	○	○	○	○	○	○
I 220/6 low-e plus	—	—	○	●	—	—	—	—	—	—	—
I 292/6 low-e plus	—	—	—	—	○	⊙	—	—	—	—	—
Opal and Custom Made Opal #	●	●	●	●	●	●	○	⊙	●	○	○
Blue	—	—	—	○	—	—	—	—	—	—	—
T and T-H	●	●	●	●	●	●	○	⊙	●	○	○
T Color Design H and T Color Design Decor H	●	●	●	●	●	●	○	⊙	●	○	○

Surface structures such as Pilkington **Profilit™** Slim Line, Macro, Micro, Clear or Wave on request.
We would be pleased to check the availability of possible product combinations or special profiles which are not listed here on request.
When using Pilkington **Profilit™** the relevant national and international standards and building regulations for the corresponding market must be taken into consideration.

- Stock item; regular production
 - ⊙ Stock item, generally available in small quantities; regular production
 - Produced to order
- # without CE label (no conformity standard exists).

Current as of 06/2025 Subject to revision without notice.

Table figures (installation lengths) for vertically installed Pilkington **Profilit™** glass

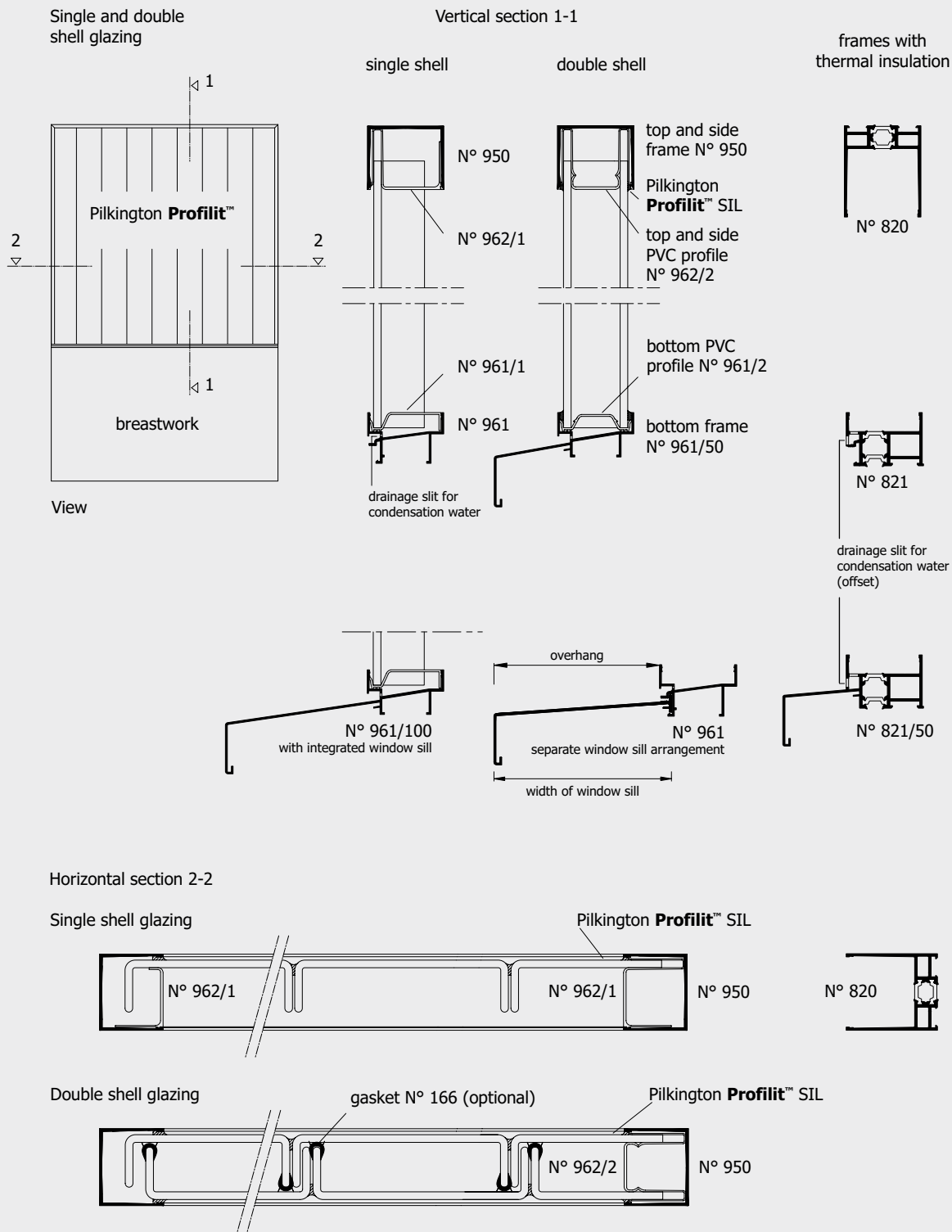
Pilkington **Profilit™** panels sealed and not inclined.

Design wind load kN/m ²	Single glazing (flange inside) 								
	K22 L (m)	K25 L (m)	K32 L (m)	K50 L (m)	K25 Wave L (m)	K22/60/7 L (m)	K25/60/7 L (m)	K32/60/7 L (m)	K25/60/7 Wave L (m)
0.75	2.67	2.53	2.27	1.88	2.53	4.22	3.99	3.59	3.99
0.90	2.45	2.31	2.08	1.72	2.31	3.87	3.66	3.29	3.66
1.05	2.27	2.14	1.93	1.59	2.14	3.58	3.39	3.05	3.39
1.20	2.11	2.00	1.80	1.49	2.00	3.33	3.16	2.84	3.16
1.35	2.00	1.89	1.70	1.41	1.89	3.16	2.99	2.69	2.99
1.50	1.89	1.79	1.61	1.33	1.79	2.98	2.82	2.54	2.82
1.80	1.72	1.63	1.47	1.22	1.63	2.72	2.58	2.32	2.58
2.10	1.60	1.51	1.36	1.13	1.51	2.53	2.40	2.15	2.40
2.40	1.49	1.41	1.27	1.05	1.41	2.36	2.23	2.01	2.23
2.70	1.41	1.34	1.20	0.99	1.34	2.23	2.11	1.90	2.11
3.00	1.34	1.27	1.14	0.94	1.27	2.12	2.00	1.80	2.00
4.50	1.09	1.03	0.93	0.77	1.03	1.73	1.64	1.47	1.64

Design wind load kN/m ²	Double glazing 								
	K22 L (m)	K25 L (m)	K32 L (m)	K50 L (m)	K25 Wave L (m)	K22/60/7 L (m)	K25/60/7 L (m)	K32/60/7 L (m)	K25/60/7 Wave L (m)
0.75	3.77	3.57	3.21	2.66	3.57	5.96	5.65	5.08	5.65
0.90	3.46	3.27	2.94	2.44	3.27	5.47	5.17	4.65	5.17
1.05	3.20	3.03	2.72	2.26	3.03	5.06	4.79	4.31	4.79
1.20	2.98	2.82	2.54	2.11	2.82	4.71	4.46	4.02	4.46
1.35	2.83	2.67	2.40	1.99	2.67	4.46	4.22	3.80	4.22
1.50	2.67	2.53	2.27	1.88	2.53	4.22	3.99	3.59	3.99
1.65	2.55	2.41	2.17	1.80	2.41	4.02	3.81	3.43	3.81
1.80	2.44	2.31	2.07	1.72	2.31	3.85	3.64	3.28	3.64
1.95	2.35	2.22	2.00	1.65	2.22	3.71	3.51	3.16	3.51
2.10	2.27	2.14	1.93	1.59	2.14	3.58	3.39	3.05	3.39
2.25	2.19	2.07	1.87	1.54	2.07	3.46	3.27	2.94	3.27
2.40	2.11	2.00	1.80	1.49	2.00	3.33	3.16	2.84	3.16
2.55	2.06	1.94	1.75	1.45	1.94	3.25	3.07	2.76	3.07
2.70	2.00	1.89	1.70	1.41	1.89	3.16	2.99	2.69	2.99
2.85	1.94	1.84	1.65	1.37	1.84	3.07	2.91	2.61	2.91
3.00	1.90	1.79	1.61	1.33	1.79	2.99	2.83	2.55	2.83
3.30	1.80	1.70	1.53	1.27	1.70	2.84	2.69	2.42	2.69
3.60	1.73	1.64	1.47	1.22	1.64	2.73	2.59	2.33	2.59
3.90	1.66	1.57	1.41	1.17	1.57	2.63	2.49	2.23	2.49
4.20	1.60	1.51	1.36	1.13	1.51	2.53	2.40	2.15	2.40
4.50	1.55	1.46	1.32	1.09	1.46	2.44	2.31	2.08	2.31

Note:
This table provides standard installation lengths in metres, for vertically installed Pilkington **Profilit™** glass within closed buildings and should be used as a guide only. However the local national regulations referring to safety parameters still have to be taken into account.
For Pilkington **Profilit™** Opal the same installation lengths as for the corresponding standard products apply.
Installation lengths for Pilkington **Profilit™** T / T Color upon request.
Design wind load = wind load including safety factor 1.5.
For other applications or for any question please feel free to address the manufacturer's technical department.

Pilkington **Profilit™** – Standard vertical glazing



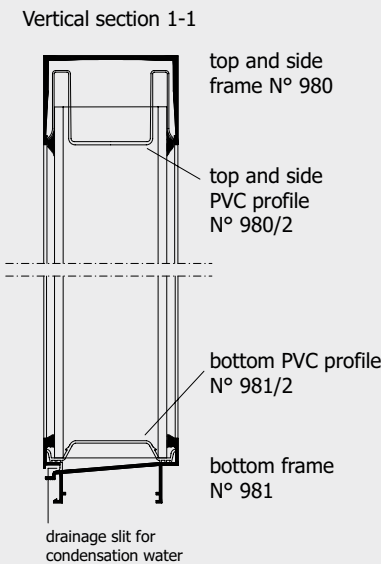
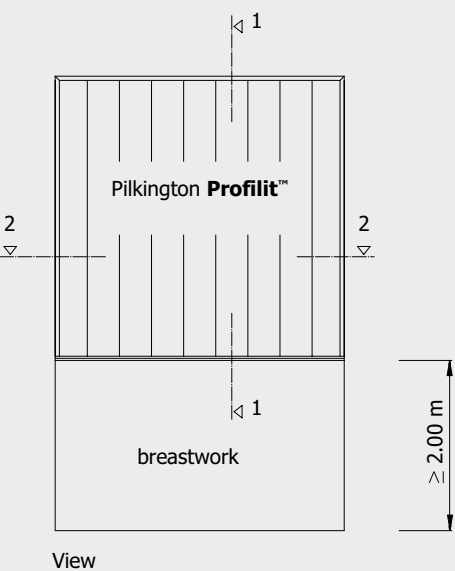
Note:
The following pages show illustrations of standard applications for which Pilkington **Profilit™** profiled glass can be used.

In view of the wide range of application options for Pilkington **Profilit™** of which the details however cannot be shown here, please contact our applications technology department for any further advice.

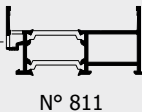
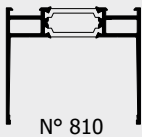
Pilkington **Profilit™** – Special vertical glazing for sport halls

Double shell glazing

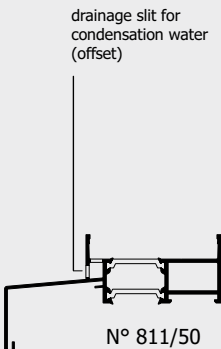
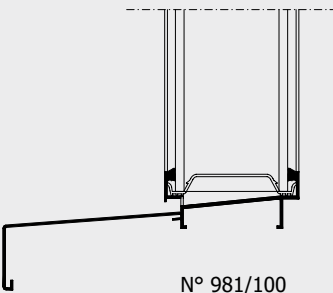
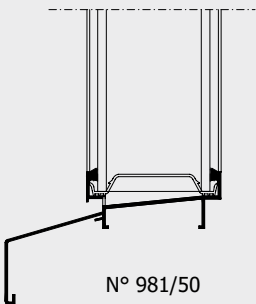
For sport halls see test certificate according to DIN 18032 part 3



frames with thermal insulation

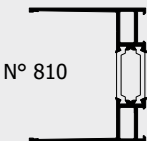
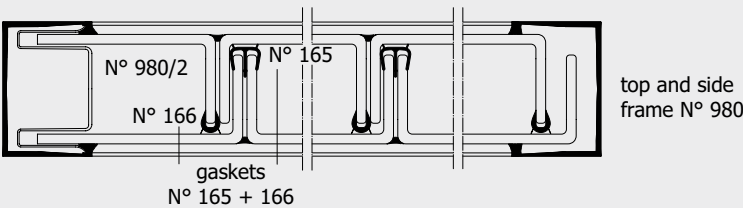


possible for glass types K 22/60/7, K 25/60/7, K 32/60/7

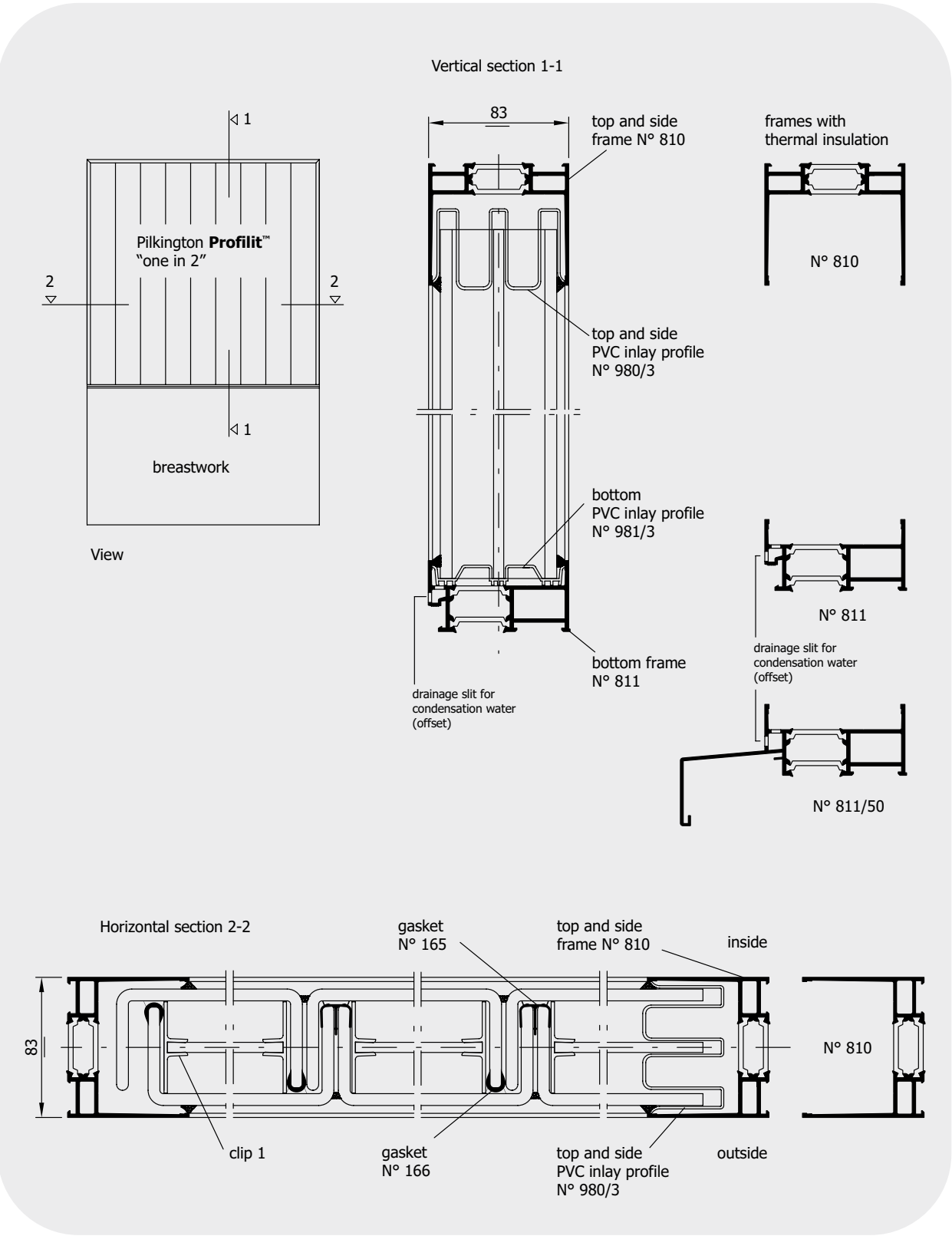


Horizontal section 2-2

Double shell glazing



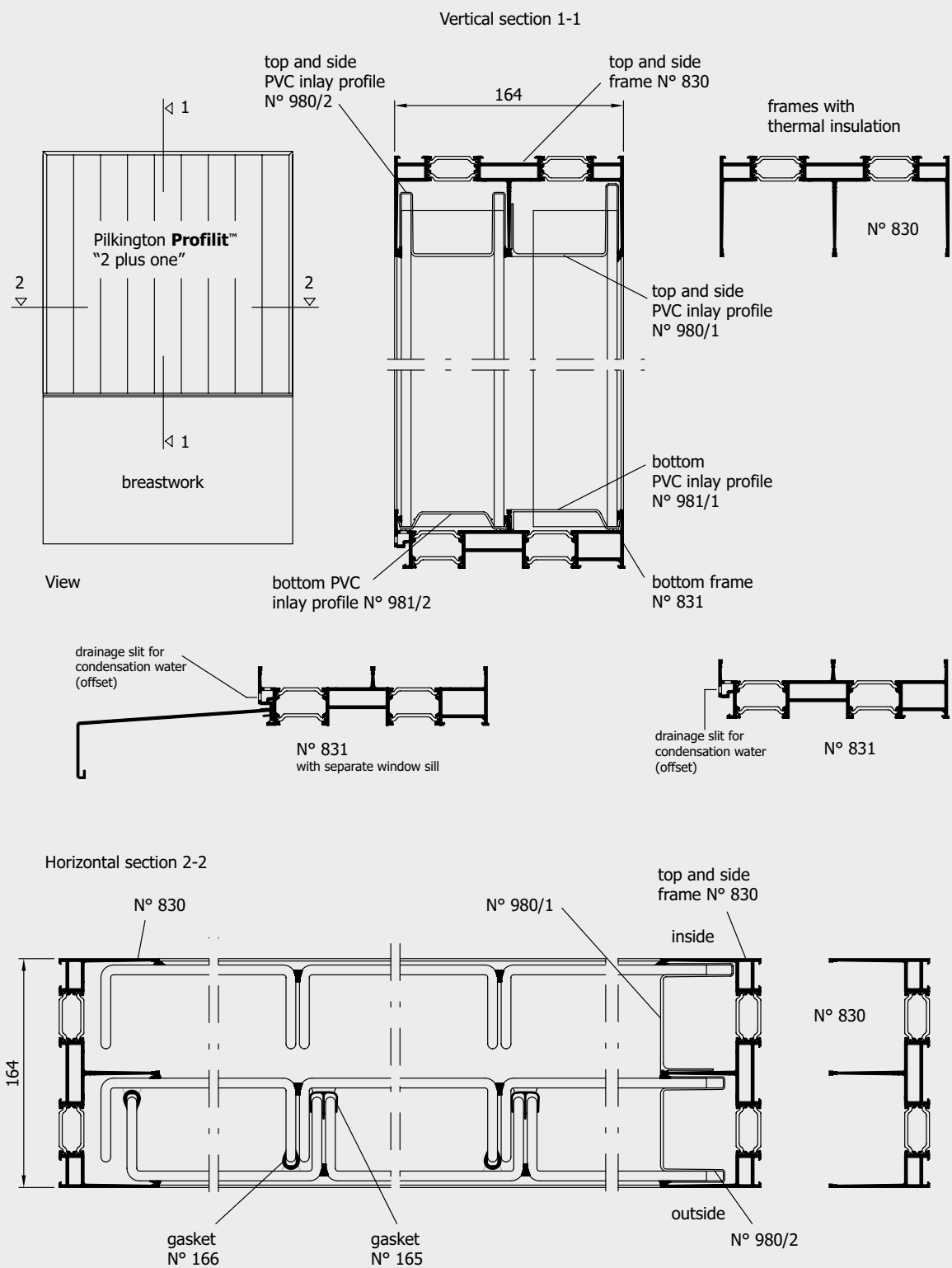
Pilkington **Profilit™** – System “one in 2”



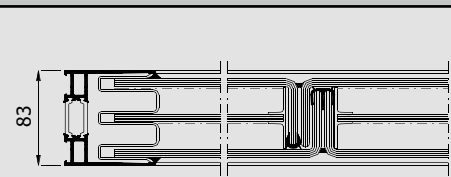
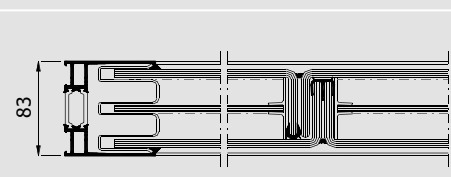
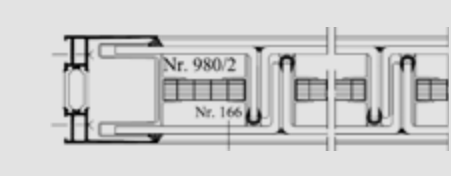
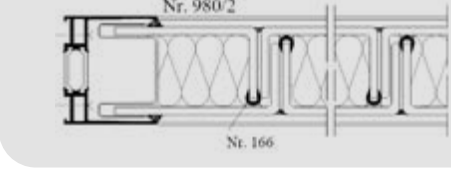
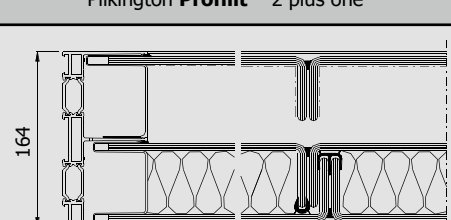
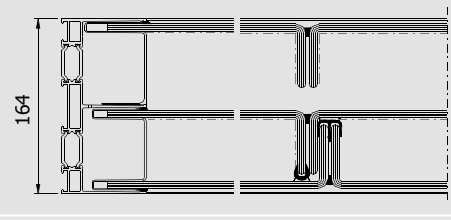
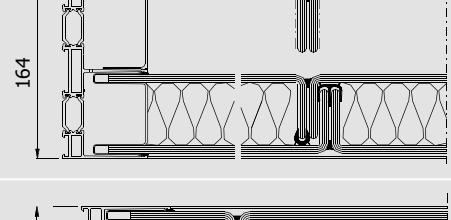
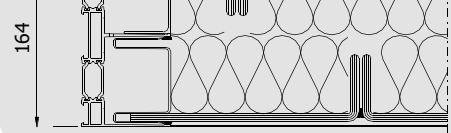
Profile type	K25/60/7	K32/60/7
Interspace glass pane “one in 2”	I 220/6 low-e plus	I 292/6 low-e plus
Alternatively, Pilkington Optilam K Glass™	I 220/6.4 Pilkington Optilam K Glass™	I 292/6.4 Pilkington Optilam K Glass™

Coating and design options for the interspace glass pane upon request

Pilkington **Profilit™** – System “2 plus one”



The new Pilkington **Profilit™** systems “one in 2” and “2 plus one”

Pilkington Profilit™ “one in 2”	U _g -value	g-value	Description	System structure
	1.2 W/m²K	*0.52 to 0.30	System One in 2 with I220/6 low-e plus • Improved thermal insulation • Improved sun protection • High translucency • Good sound insulation • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate shell: 6 mm Pilkington Profilit™ -I220/6 Low-e plus Inner shell: 7 mm Pilkington Profilit™ Low-e plus
	1.2 W/m²K	*below 0.53	System One in 2 with Pilkington Optilam K Glass™ • Improved thermal insulation • Improved sun protection • High translucency • Good sound insulation • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate shell: 6.8 mm consisting of 2× Pilkington K Glass™ Inner shell: 7 mm Pilkington Profilit™
	1.26 W/m²K	*0.39 to 0.29	System One in 2 with PC 16/7 • Improved thermal insulation • Improved sun protection • Reduced weight • Good sound insulation • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate: PC 16/7 Inner shell: 7 mm Pilkington Profilit™ Plus 1.7
	1.2 W/m²K	*below 0.36	System double shell with ProfiTIM • Improved thermal insulation • Improved sun protection • Reduced weight • Good sound insulation • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate: ProfiTIM Inner shell: 7 mm Pilkington Profilit™
Pilkington Profilit™ “2 plus one”	U _g -value	g-value	Description	System structure
	0.97 W/m²K	*below 0.32	System 2 plus 1 + ProfiTIM • Improved thermal insulation • Improved sun protection • Good sound insulation • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate: ProfiTIM Intermediate shell: 7 mm Pilkington Profilit™ Inner shell: 7 mm Pilkington Profilit™
	0.92 W/m²K	*below 0.51	System 2 plus 1 • Improved thermal insulation • Improved sun protection • High translucency • Very good sound insulation • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate shell: 7 mm Pilkington Profilit™ Low-e plus Inner shell: 7 mm Pilkington Profilit™ Low-e plus
	0.80 W/m²K	*below 0.30	System 2 plus 1 + ProfiTIM • Very good heat insulation • Very good solar control • Very good noise control • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate: ProfiTIM Intermediate shell: 7 mm Pilkington Profilit™ Inner shell: 7 mm Pilkington Profilit™ Plus 1.7
	0.66 W/m²K	*below 0.24	System 1 plus 1 + 2xProfiTIM • Very good heat insulation • Very good solar control • Very good noise control • Simple installation sequence	Outer shell: 7 mm Pilkington Profilit™ Intermediate: 2x ProfiTIM Inner shell: 7 mm Pilkington Profilit™

* Depending on the product combination

Pilkington **Profilit**™ – Product characteristics

Heat insulation, Solar control and Light transmission:

Product combination	U _g -value [W/m²K]	g-value [—]	Light transmission [%]
Pilkington Profilit ™ single glazed	5.7	0.79	86
Pilkington Profilit ™ double glazed without coatings	2.8	0.68	75
Pilkington Profilit ™ double glazed outer shell Pilkington Profilit ™ uncoated inner shell Pilkington Profilit ™ Plus 1.7	1.8	0.63	70
Pilkington Profilit ™ double glazed outer shell Pilkington Profilit ™ Antisol inner shell Pilkington Profilit ™ uncoated	2.8	0.49	43
Pilkington Profilit ™ double glazed outer shell Pilkington Profilit ™ Antisol inner shell Pilkington Profilit ™ Plus 1.7	1.8	0.45	41
Pilkington Profilit ™ double glazed outer shell Pilkington Profilit ™ Amethyst inner shell Pilkington Profilit ™ Amethyst	2.8	0.46	40
Pilkington Profilit ™ double glazed outer shell Pilkington Profilit ™ Amethyst inner shell Pilkington Profilit ™ Plus 1.7	1.8	0.49	51
Pilkington Profilit ™ triple glazed outer shell 7 mm Pilkington Profilit ™ uncoated middle 7 mm Pilkington Profilit ™ low-e plus inner shell 7 mm Pilkington Profilit ™ low-e plus	0.92	0.52	47

U_g-value according to EN 673, g value and light transmission according to EN 410.
Physical properties for further product combinations are available upon request.
Heat insulation- and solar control characteristics can be further improved by using e.g. triple glazed options
or with translucent insulation materials.

Noise control:

Product combination	R _w -value [dB]
Pilkington Profilit ™ double glazed without gaskets	up to 41 dB
Pilkington Profilit ™ double glazed with gaskets no. 165 and no. 166	up to 43 dB
Pilkington Profilit ™ triple glazed	up to 57 dB

Noise control values tested in Pilkington **Profilit**™ system according to EN ISO 140-3.
Detailed information on the design and values depending on the glass type and design is available upon request.

Ball impact safety:

Product combination	Ball impact safety
Pilkington Profilit ™ K22/60/7, K25/60/7 or K32/60/7 double glazed with gaskets no. 165 and no. 166	tested with handball
Pilkington Profilit ™ T-H K22/60/7, K25/60/7 or K32/60/7 double glazed with gaskets no. 165 and no. 166	tested with handball and hockeyball

Ball impact safety tested according to DIN 18032-3.
Please take into consideration special installation guidelines for Pilkington **Profilit**™ sports hall glazing.

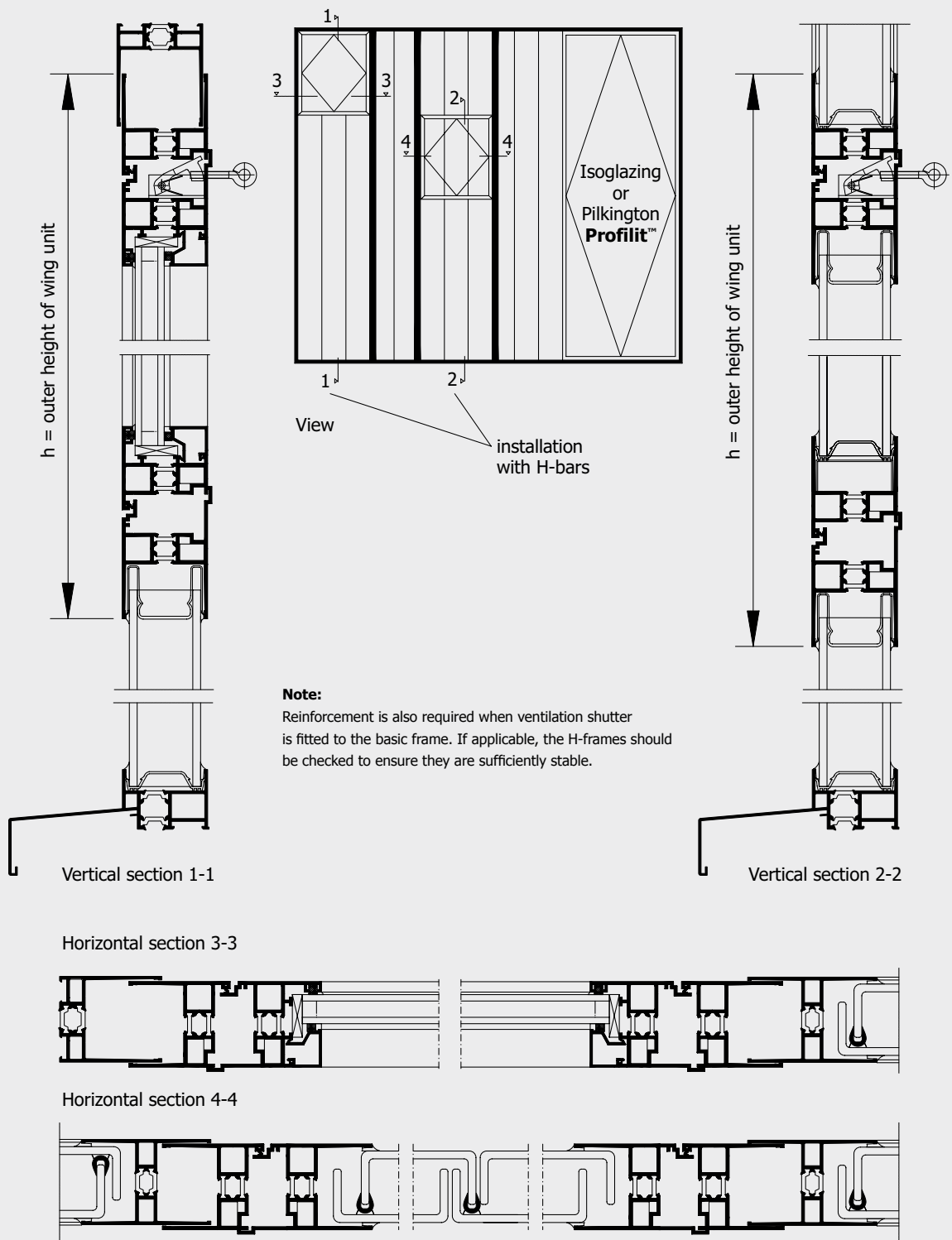
Note:
Further product- and system characteristics (e.g. regarding safety or weather tightness) can be provided upon request.
Please contact our Application Technology Department.

Pilkington **Profilit™** – Example of installation of ventilation shutters

Pilkington **Profilit™** installation system with ventilation shutter unit

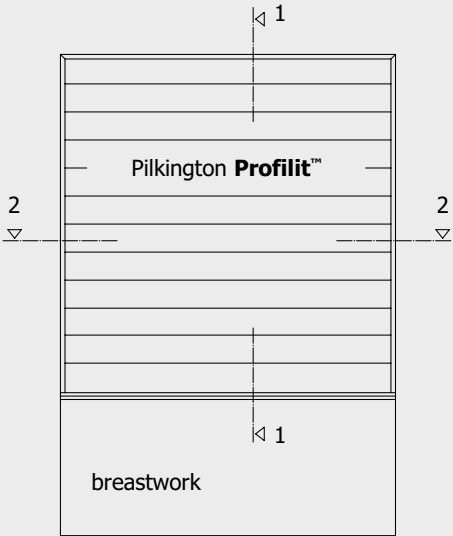
The Pilkington **Profilit™** installation system is a modular system essentially comprising the following elements:

- High-quality **aluminium profiles** – available as mill finished, anodised, RAL coated or thermally insulated options
- **Plastic insert or support profiles** – high impact resistance, light resistance, weatherproof and non warping.
- **Ventilation elements** – standard sizes or made to order; marry perfectly with the Pilkington **Profilit™** installation system, **also available as thermally insulated option**

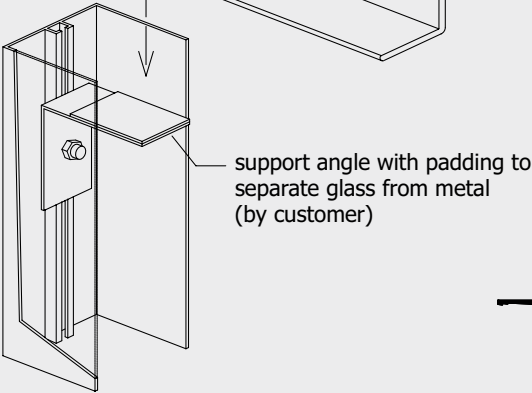
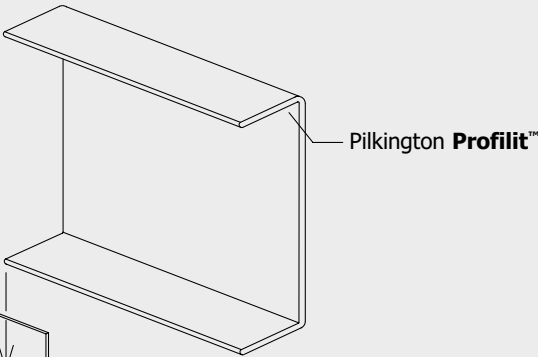
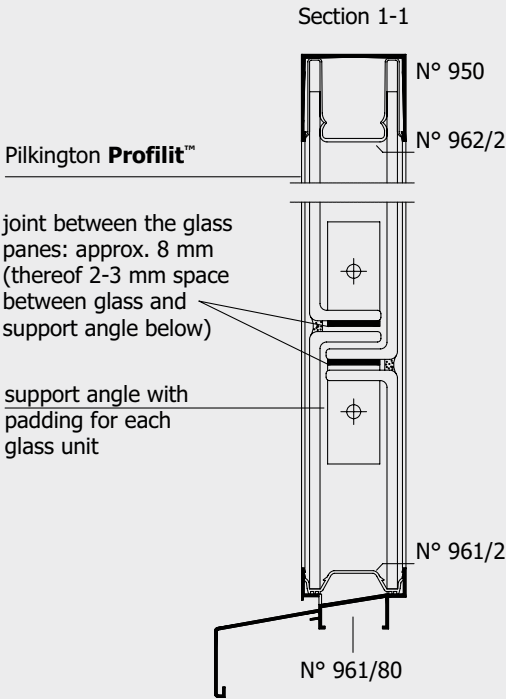


Pilkington **Profilit**™ – Standard horizontal glazing

Double shell glazing

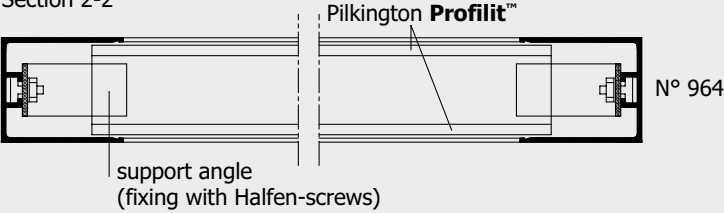


View

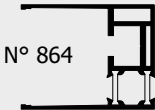
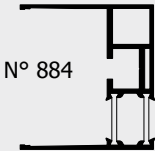
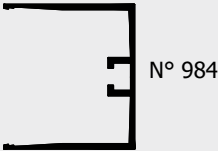


Note:
different glass types require
structurally designed support angles

Section 2-2



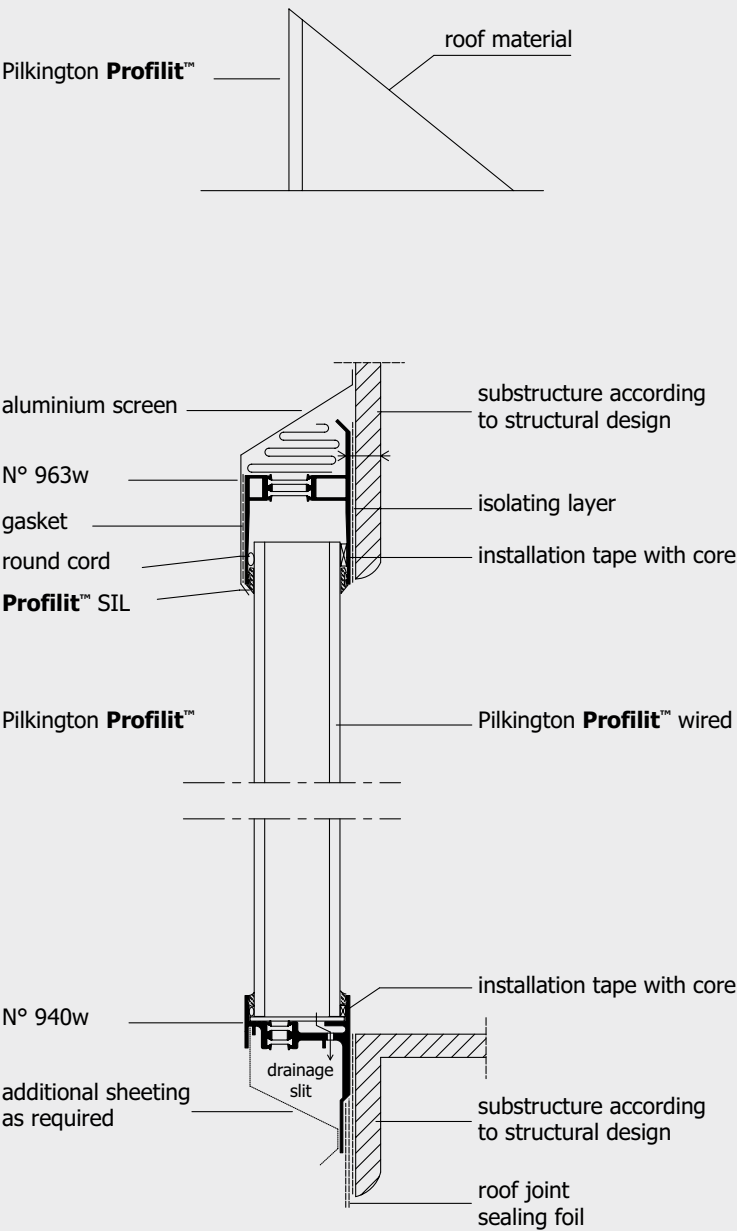
frames with
thermal insulation



Pilkington **Profilit™** – Roof glazing (vertical shed glazing)

Double shell glazing

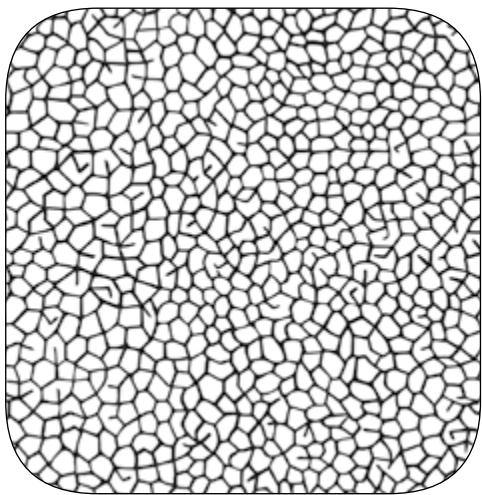
System sketch



Note:
No details concerning roof joints, heat-insulating measures, etc. are given here.

The drainage slits for condensation water made by customers are depending on the fixing of the frames and the inclination of the glazing.
Max. frame loading in case of vertical installation (e.g. non bearing facades) – double layer – due to weight of glass 3.50 m!
Max. interval between bolts of 20 cm. In case of thermal broken frame N° 940w 3.00 m.

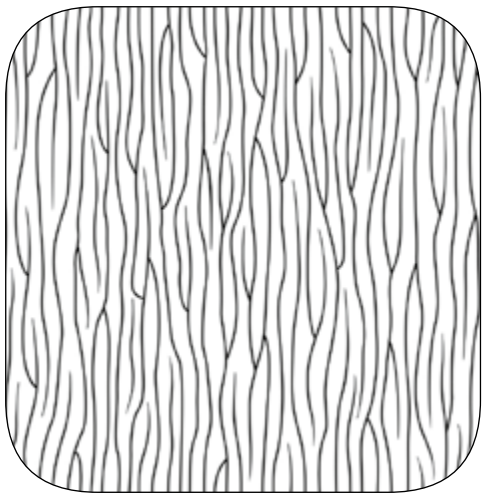
Pilkington **Profilit™** T Color Design Decor (Examples)
Our decors* for exterior and interior applications



Surrounded



Sumi



Marée



Caché



Allée



Close

* Possible colour combinations for the standard and special decors upon request (see also www.profilite.com)

Pilkington **Profilit™** – Installation components

Pilkington Profilit™ – 6 mm glass types	Pilkington Profilit™ – 7 mm glass types
Pilkington Profilit™ – Accessories	
Pilkington Profilit™ – Aluminium and plastic sections, series 60 (NP)	Pilkington Profilit™ – Aluminium and plastic sections, series 83 (SP)
Pilkington Profilit™ – Gaskets	
Pilkington Profilit™ – Special profiles	Pilkington Profilit™ – Window sills

Current as of 06/2025 Subject to revision without notice.

Pilkington Profilit ™ profiles series 60 (NP)		Pilkington Profilit ™ profiles series 83 (SP)		Pilkington Profilit ™ profile description
non thermally broken	thermally broken	non thermally broken	thermally broken	
950 N	820	980	810	Top and side frame
950 S	—	—	—	Top and side frame
950 SL	—	—	—	Top frame with integrated ventilation
961	821	981	811	Bottom frame with drainage slits
951	—	—	—	Bottom frame (interior glazing e.g. for partitions)
961/50	821/50	981/50	811/50	Bottom frame with integrated 50 mm window sill with drainage slits
961/80	821/80	—	811/80	Bottom frame with integrated 80 mm window sill with drainage slits
961/100	821/100	981/100	811/100	Bottom frame with integrated 100 mm window sill with drainage slits
961/120	821/120	—	811/120	Bottom frame with integrated 120 mm window sill with drainage slits
961/150	821/150	—	811/150	Bottom frame with integrated 150 mm window sill with drainage slits
961/180	821/180	—	811/180	Bottom frame with integrated 180 mm window sill with drainage slits
977	822	978	812	H-bar for mounting windows
964	864	984	884	Side frame for horizontal glazing
Pilkington Profilit ™ – PVC inlay profiles				
962/1		980/1		Top and side inlay profile for single glazing
962/2N		980/2		Top and side inlay profile for double glazing
—		980/3		Top and side inlay profile for system “one in 2”
962/2A		—		Top and side inlay profile for installation inside a ventilation shutter for double glazing
961/1		981/1		Bottom inlay profile for single glazing
961/2		981/2		Bottom inlay profile for double glazing
—		981/3		Bottom inlay profile for system “one in 2”
—		Clip 1		Centering clip for system “one in 2”
961 D	—	981 D	—	Expansion joint profile for bottom frames
950 D	—	980 D	—	Expansion joint profile for top and side frames
—	—	—	810 D	Dilatation joint profile for frame 810
—	—	—	811 D	Dilatation joint profile for frame 811
—	820 D	—	—	Dilatation joint profile for frame 820
—	821 D	—	—	Dilatation joint profile for frame 821
Pilkington Profilit ™ – Gaskets and sealing profile				
165				Gasket for glass flanges, double
166				Gasket for glass flanges, single
170	—	170	—	Sealing profile for Pilkington Profilit ™ frames with integrated window sill no. 961/50.../180, 981/50 and 981/100
Pilkington Profilit ™ – Window sills (separately)				
971/130		Window sill profile 130 mm for bottom frames no. 961, 981, 821, 811		
972/150		Window sill profile 150 mm for bottom frames no. 961, 981, 821, 811		
973/180		Window sill profile 180 mm for bottom frames no. 961, 981, 821, 811		
973/210		Window sill profile 210 mm for bottom frames no. 961, 981, 821, 811		
973/240		Window sill profile 240 mm for bottom frames no. 961, 981, 821, 811		
974		Rim profile for window sills		
961 K		PVC clamp profile no. 961 K for the connection of the window sill with the bottom frames no. 961, 981, 821, 811		
Pilkington Profilit ™ – Expansion joint profiles for window sills				
961/50 D		Expansion joint profile for window sill 50 mm		
961/80 D		Expansion joint profile for window sill 80 mm		
961/100 D		Expansion joint profile for window sill 100 mm		
961/120 D		Expansion joint profile for window sill 120 mm		
971/130 D		Expansion joint profile for window sill 130 mm		
961/150 D		Expansion joint profile for window sill 150 mm		
961/180 D		Expansion joint profile for window sill 180 mm		
973/210 D		Expansion joint profile for window sill 210 mm		
973/240 D		Expansion joint profile for window sill 240 mm		
Pilkington Profilit ™ – Special profiles				
965	—	—	—	Door frame suitable for wooden and metal doors
965 GT	—	—	—	Door frame suitable for glass doors
965 GT D	—	—	—	Sealing for door frames no. 965 and no. 965 GT
—	—	—	830	Top and side frame for triple and multiple setups with drainage slits
—	—	—	831	Bottom frame for triple and multiple setups with drainage slits
940	940w	—	982w	Bottom shed glazing profile for double glazing
963	963w	—	—	Top shed glazing profile for double glazing
976	—	976	—	Connection angle

The recommendations for tendering in German and English are available as download (WORD- or PDF file) on the homepage www.profilit.com.

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