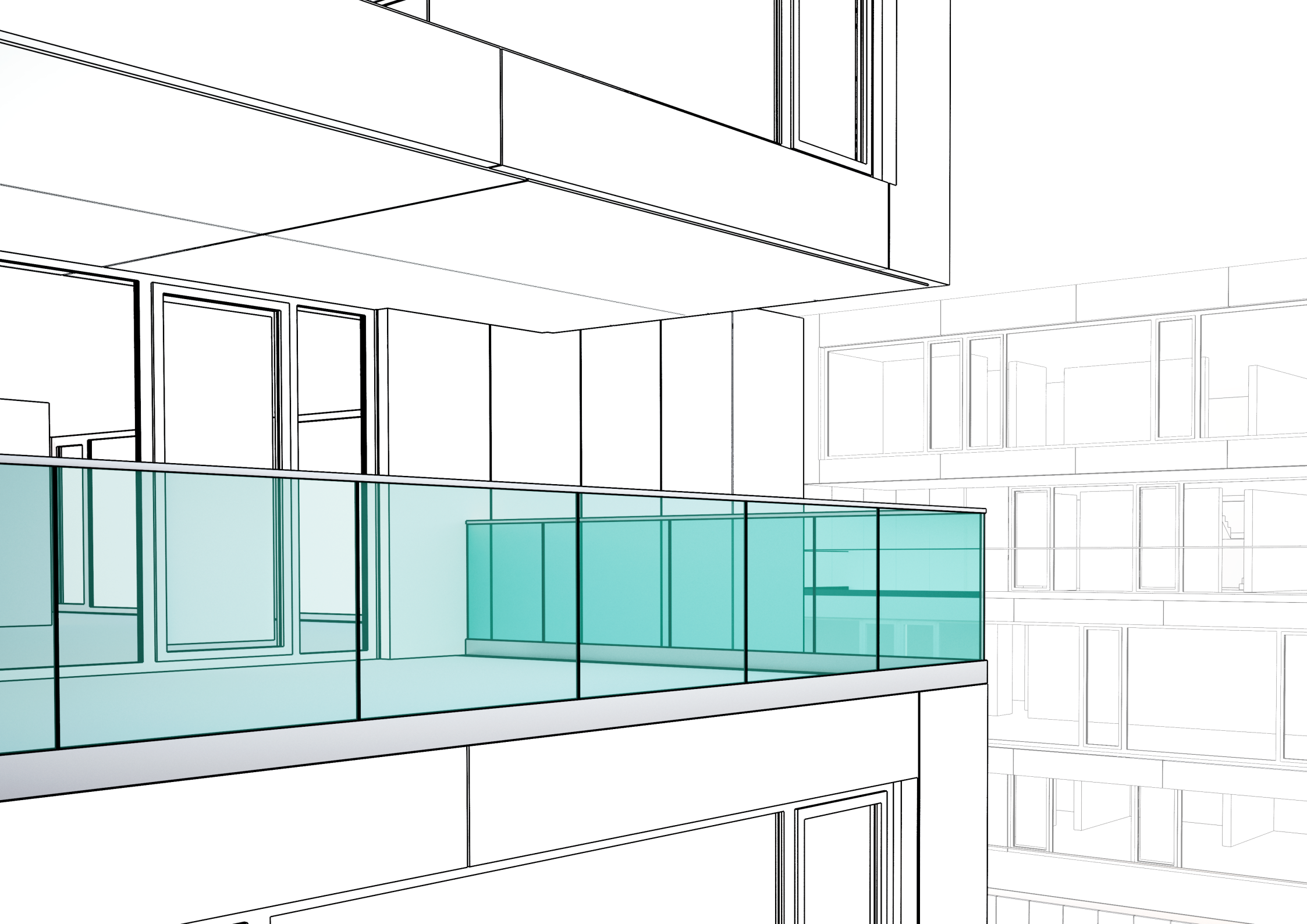


GLASIMO[®]
glass interiors

BALUSTRADES CATALOGUE

2020

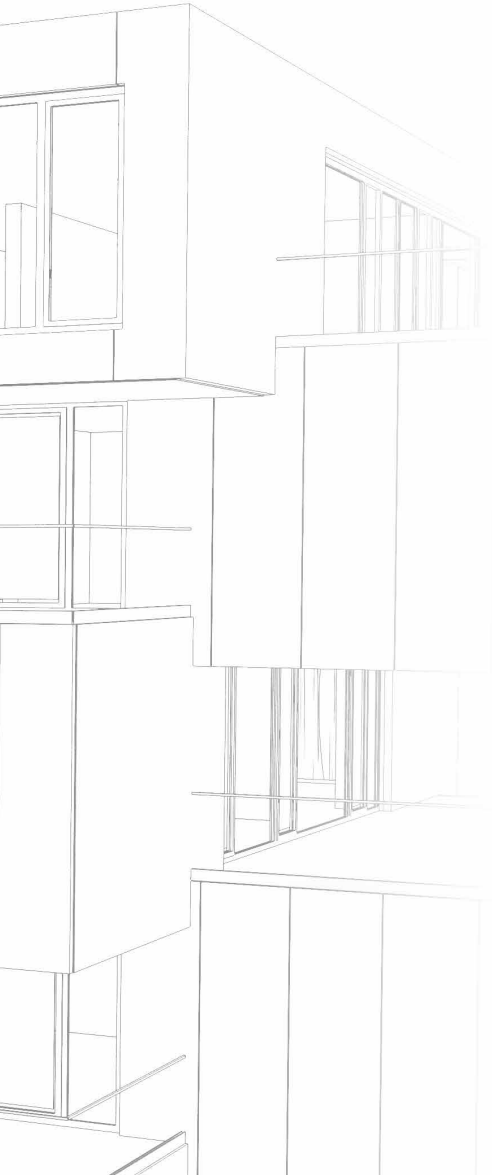


GLASIMO®

glass interiors

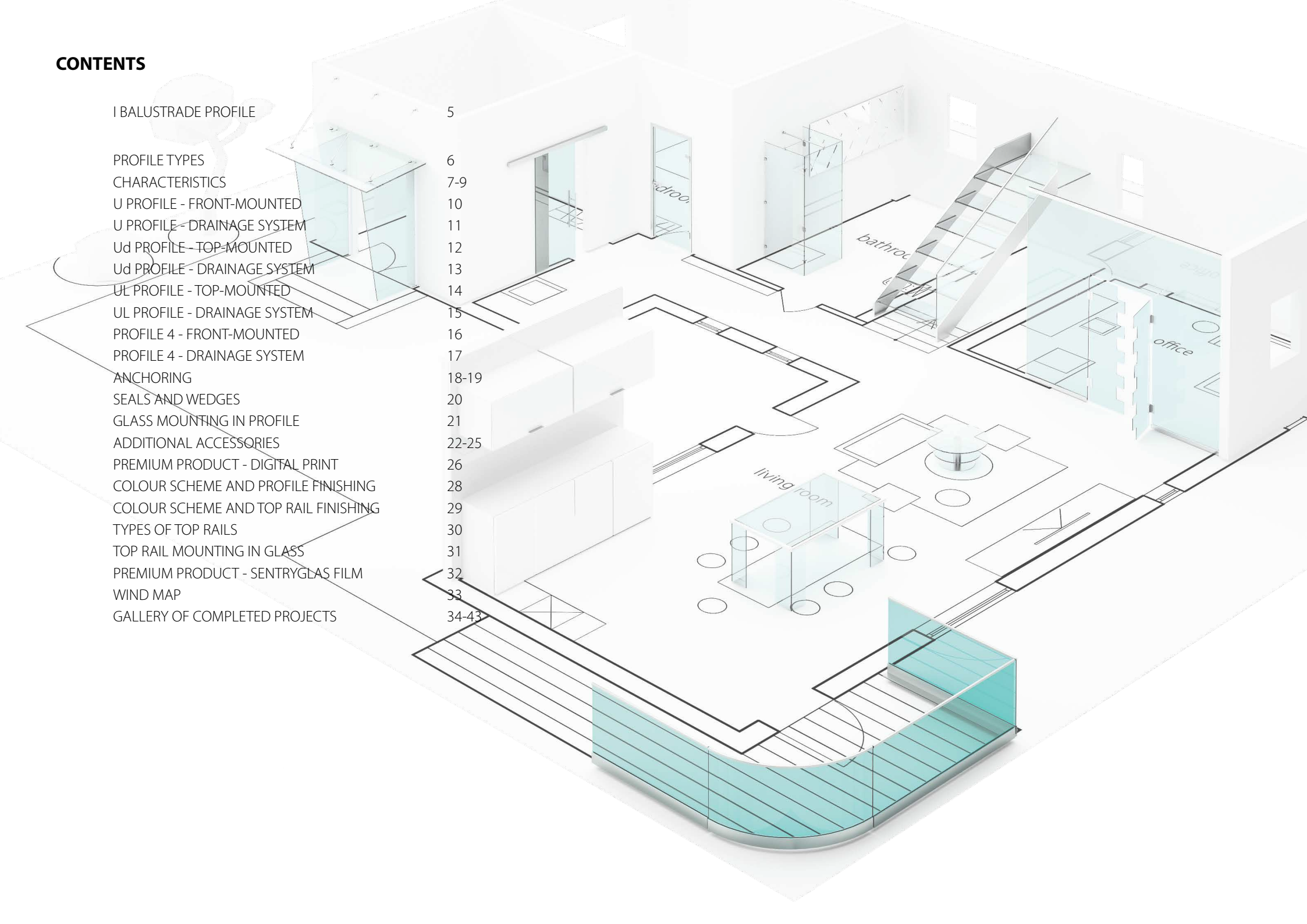
The company Glasimo combines the family glassmaking traditions with modern processing technologies. The foundation of Glasimo is supported by 25 years of experience in the glass industry. Glasimo relies on the dynamic development of the company, starting from qualified personnel, ending with investing in the latest technologies that allow for the provision of services at the highest level.

The products offered by Glasimo include finished glass products such as balustrades, desks, tables, canopies, doors, facades, showcases, shower enclosures, mirrors, cladding, floors, toilet partitions, glazing, stairs, lift shafts and washbasins.



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GLASIMO®

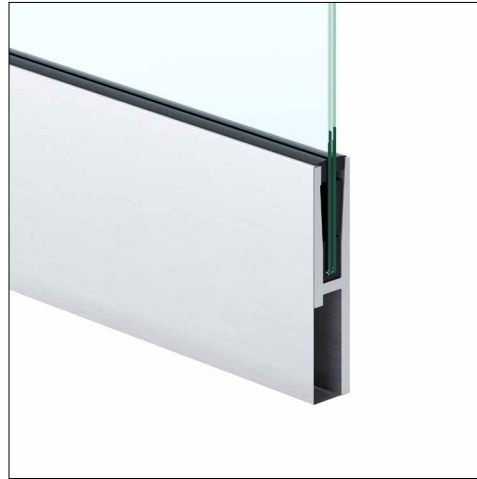
BALUSTRADES
PROFILE

Side-mounted

U PROFILE



PROFILE 4



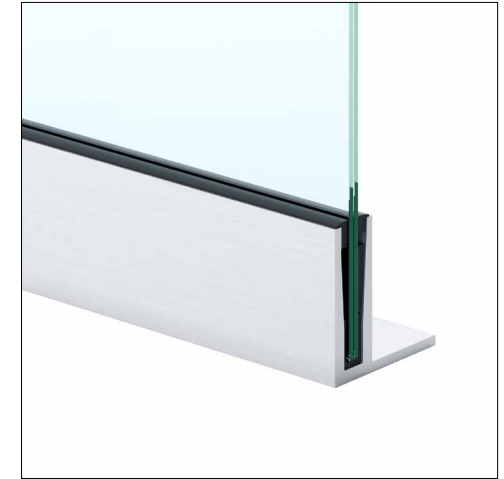
* available soon

Top-mounted

Ud PROFILE



UL PROFILE



A glass balustrade is mounted in an aluminium profile, which is the only element that fixes the glass. Classic elegance, stability and durability – these are the features distinguishing this type of balustrades. Aluminium profile ensures mounting of all-glass balustrades to the reinforced concrete base. It can be used for private and public buildings in the range of top rail load-bearing capacity from 0.5 to 1.5 kN.

Glass with the specified thickness of 66.2, 88.2, 1010.4 can be used for the balustrade profile. Glass is selected depending on the utility requirements of the building. Aluminium profiles are suitable for indoor and outdoor installation. The static strength analyses conducted in accordance with PN-EN standards confirm its good strength performance and ensure safe use.

Characteristics

U PROFILE



PROFILE 4



Ud PROFILE



UL PROFILE



Load	0.5 - 1.0 kN	0.5 - 1.5 kN	0.5 - 1.0 kN	0.5 - 1.5 kN
Glass thickness	12.76 mm - 21.52 mm	12.76 mm - 21.52 mm	12.76 mm - 21.52 mm	12.76 mm - 21.52 mm
Length	3000 mm / 6000 mm	3000 mm / 6000 mm	3000 mm / 6000 mm	3000 mm / 6000 mm
Categories**	Category A,B	Category A,B,C	Category A,B	Category A,B,C
Weight	6.165 kg	10.062 kg	6.165 kg	8.345 kg
Material	Aluminium T66	Aluminium T66	Aluminium T66	Aluminium T66
Surface area	Anodised: natural; black*; brush finish	Anodised: natural; black*; brush finish	Anodised: natural; black*; brush finish	Anodised: natural; black*; brush finish

* on request

** see table on page 7

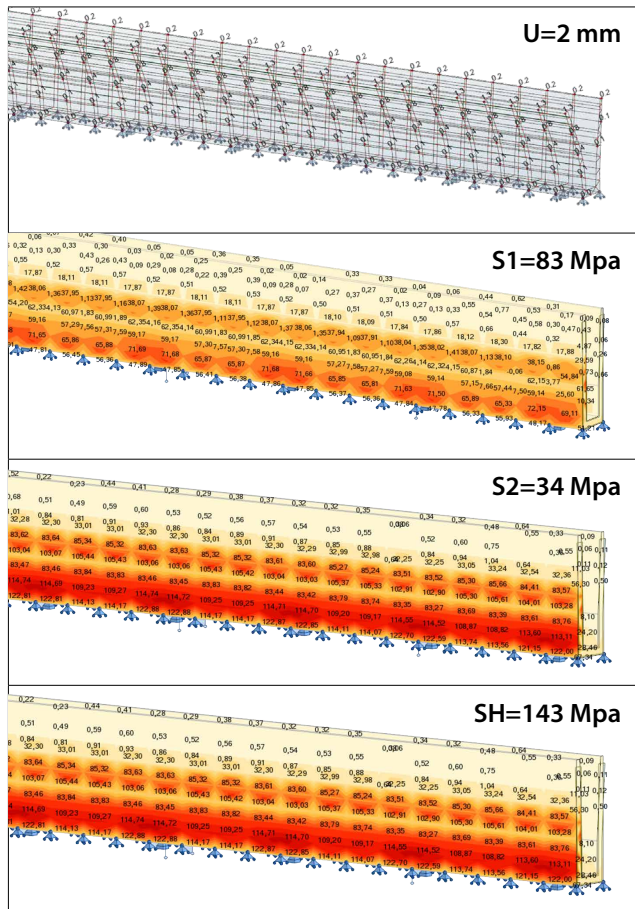
Recommended imposed loads depending on the category of loaded surfaces according to PN-EN 1991-1-1.

Category	Intended use of area	Area subcategory		qk[kN/m]*
A	residential, such as rooms in residential buildings, balconies, small terraces	A1	Areas in single-family residential buildings	0,5
		A2	Areas in multi-family residential buildings	0,75
B	Office space			1,0
C	areas where people can collect (except for areas defined as category A, B and D)	C1	areas with tables, etc. (in schools, cafes, restaurants, canteens, reading rooms, reception areas, waiting rooms, etc.)	1,5
		C2	areas with fitted seating (in churches, theatres or cinemas, conference rooms, lecture halls, meeting rooms, station waiting rooms)	1,5
		C3	areas without obstacles to moving people (in museums, exhibition halls), public access areas	1,5
		C4	areas with a possibility of physical exercise (dance halls, gymnasia, stages)	1,5
		C5	public access areas accessible to crowds of people (in buildings with stands, terraces, access paths and rail station platforms)	3,0
D	Commercial premises	D1	Retail outlet spaces	1,0
		D2	Spaces in department stores	

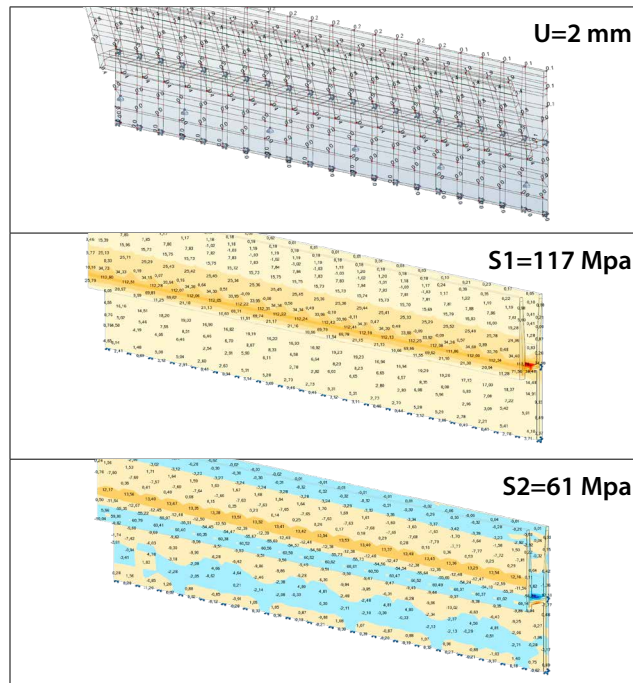
* horizontal load of partitions and interior walls with barrier function
(0.5) - recommended value

Stress and deflection

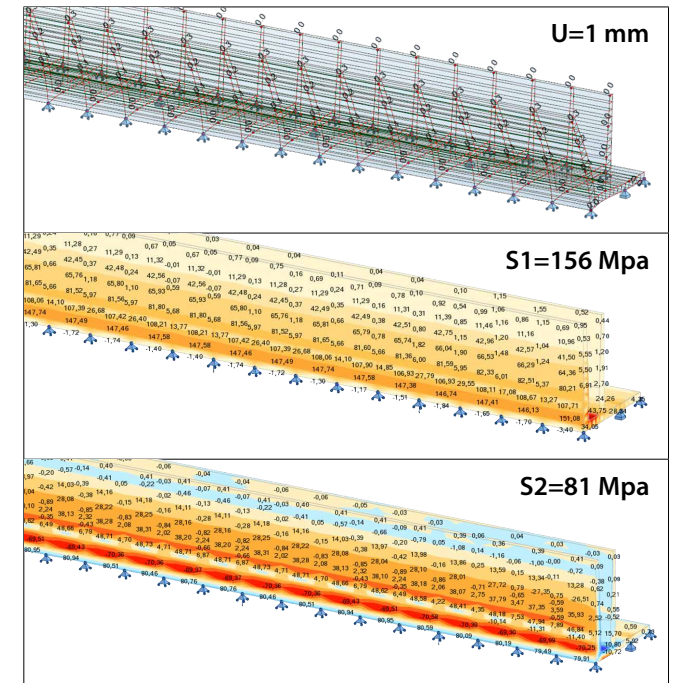
Ud PROFILE / U PROFILE
qmax=1,5 kN/m



PROFILE 4
qmax=1,5 kN/m



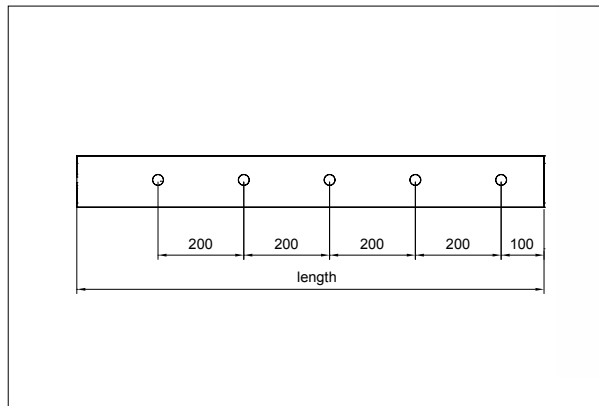
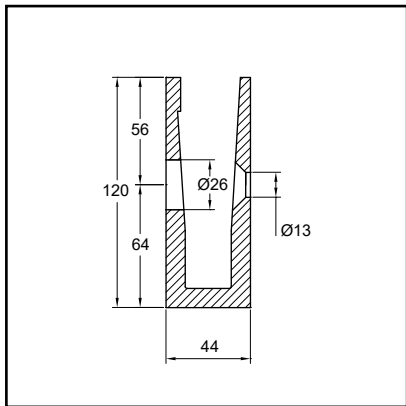
UL PROFILE
qmax=1,5 kN/m



SLS and ULS conditions have been met

U PROFILE | front-mounted

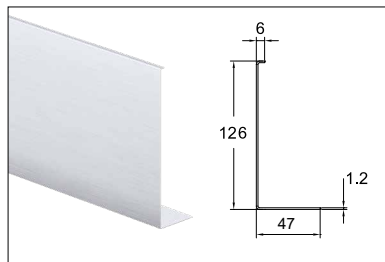
TECHNICAL DESCRIPTION



INSTALLATION ACCESSORIES



set of seals and washers



cover cap



edge protection



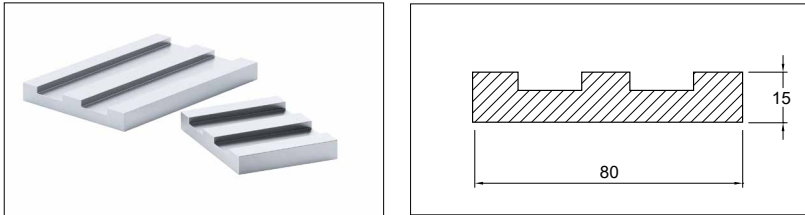
railing



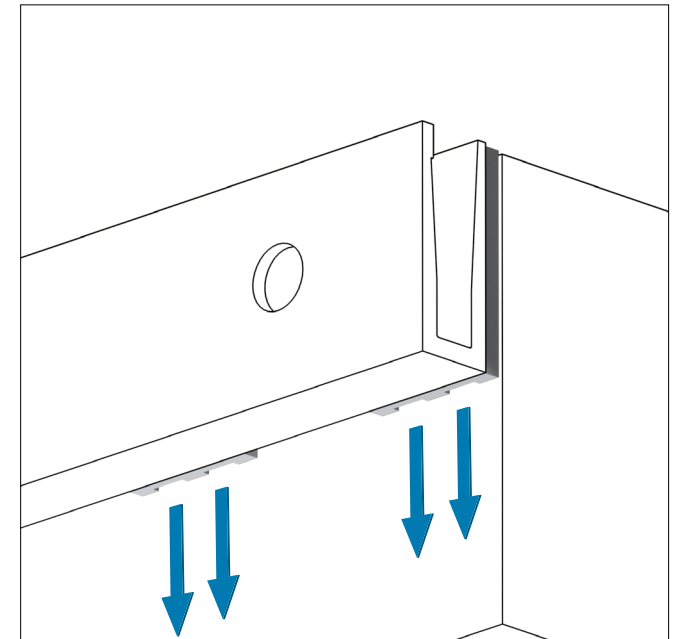
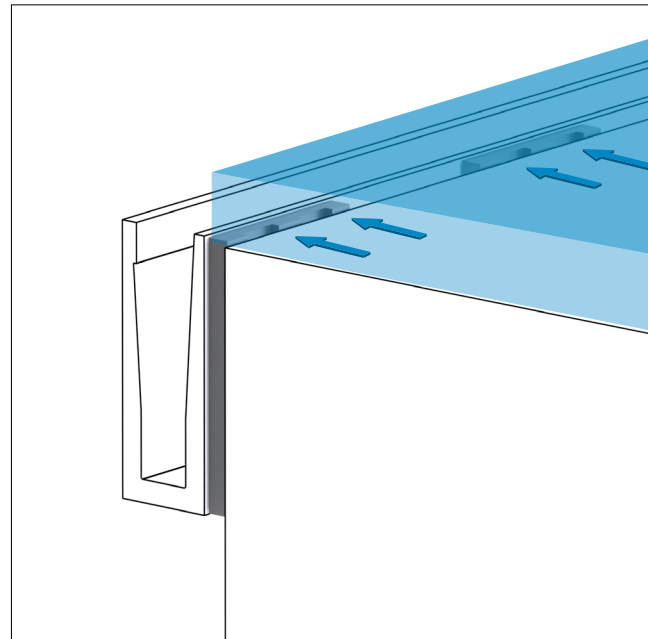
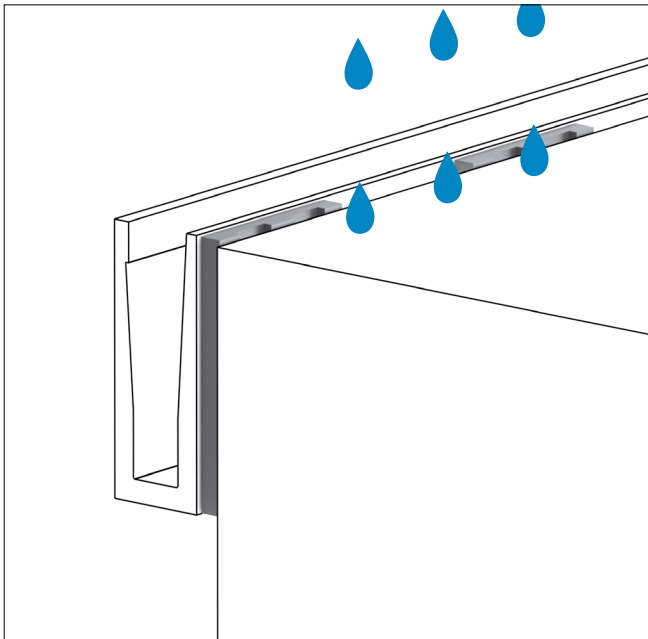
trimming service



Drainage system

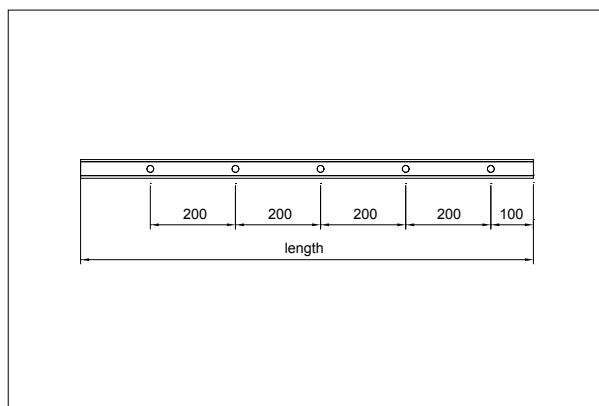
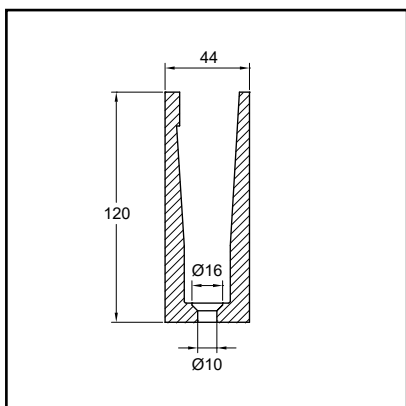


U PROFILE



Ud PROFILE | top-mounted

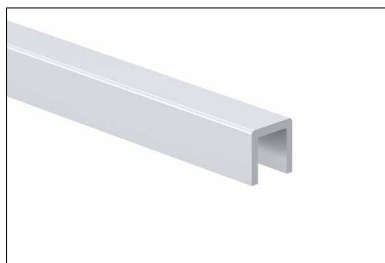
TECHNICAL DESCRIPTION



INSTALLATION ACCESSORIES



set of seals and washers



edge protection



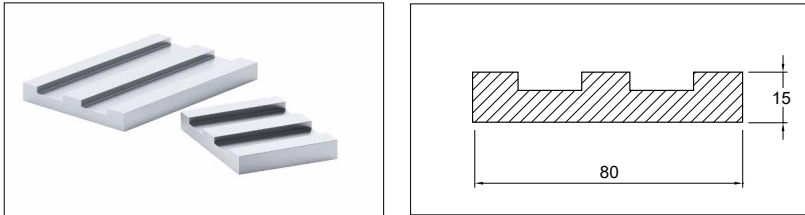
railing



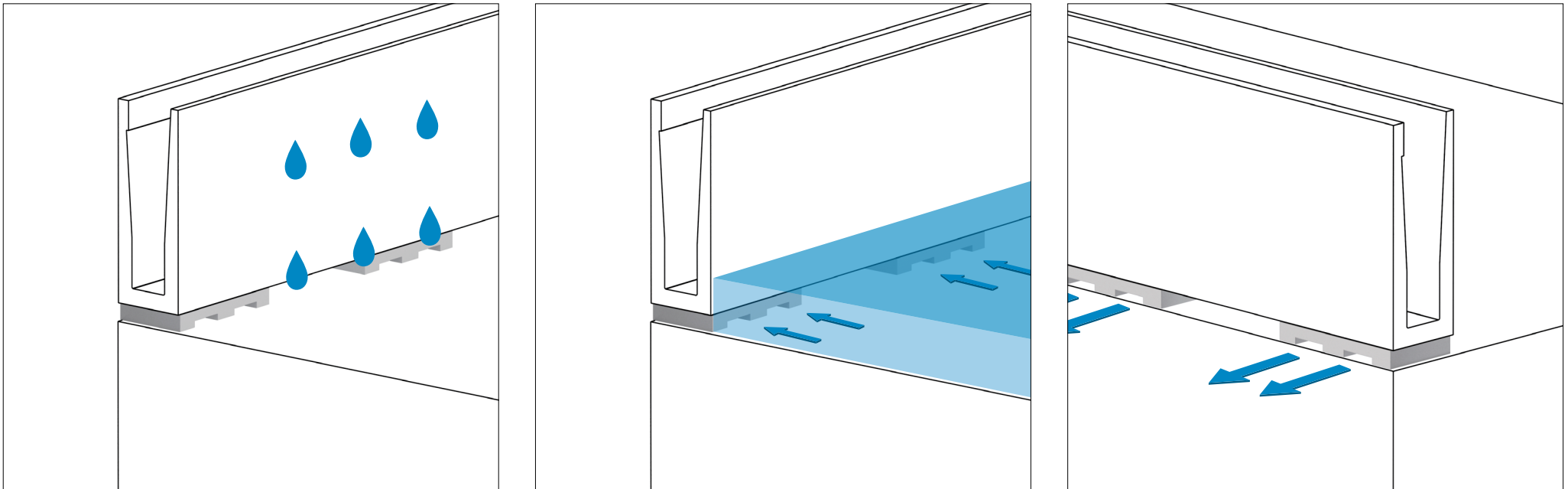
trimming service



Drainage system

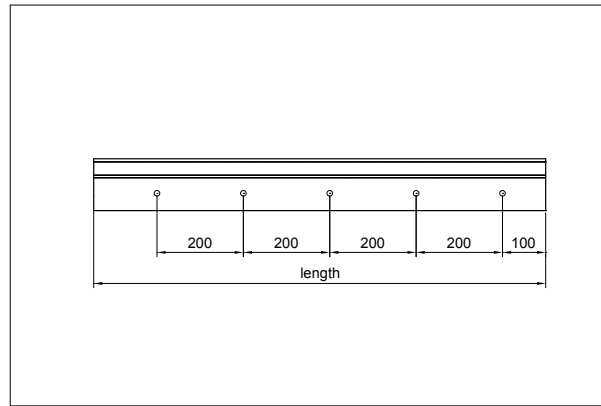
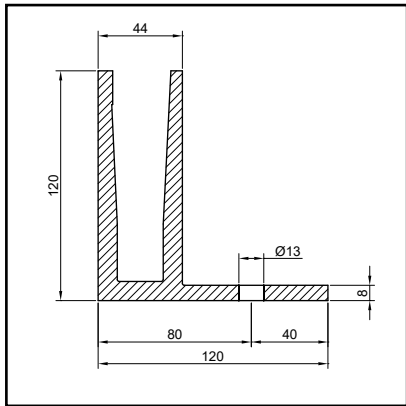


Ud PROFILE



UL PROFILE | top-mounted

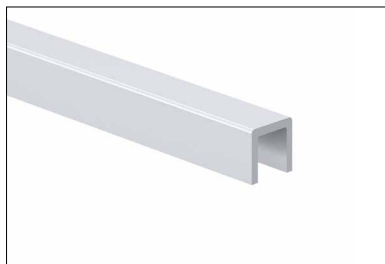
TECHNICAL DESCRIPTION



INSTALLATION ACCESSORIES



set of seals and washers



edge protection



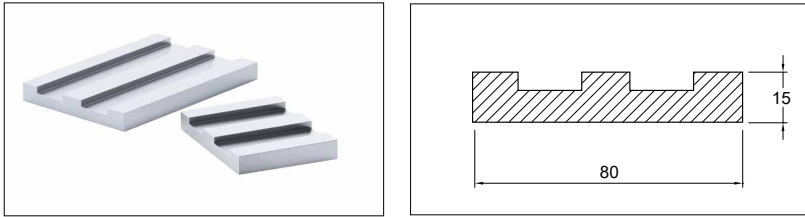
railing



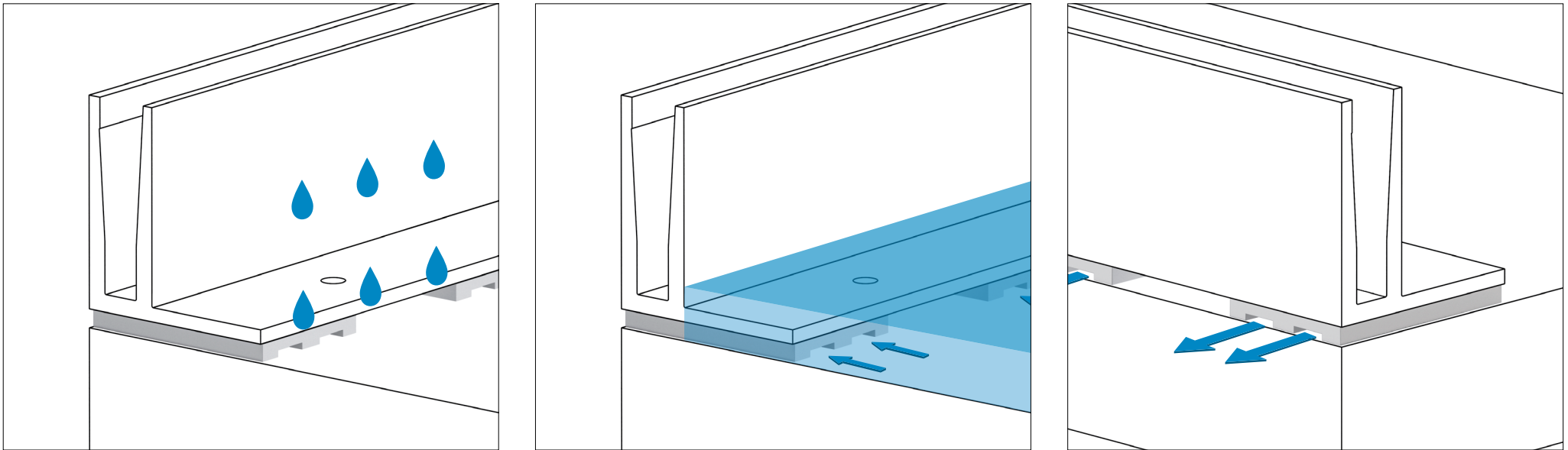
trimming service



Drainage system

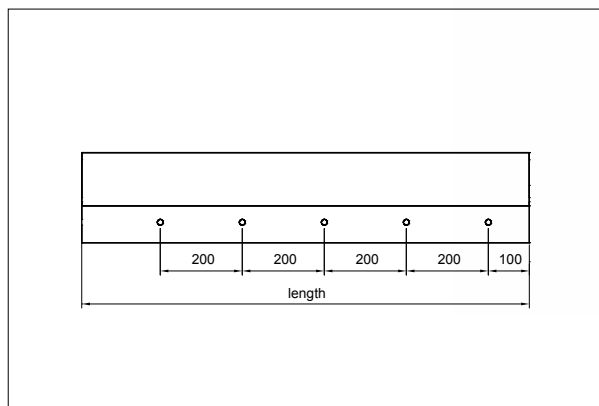
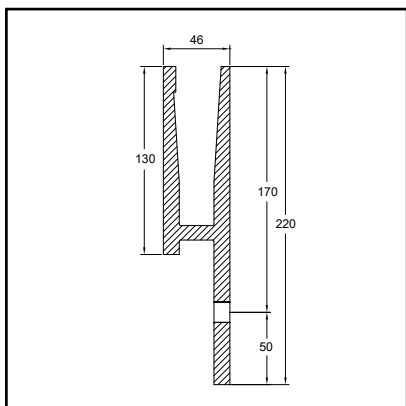


UL PROFILE WITH FLAT BAR



PROFILE 4 | front-mounted

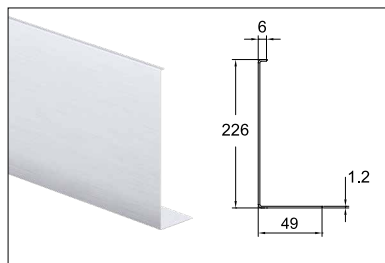
TECHNICAL DESCRIPTION



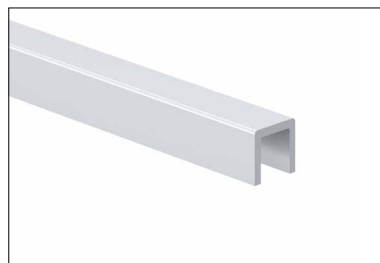
INSTALLATION ACCESSORIES



set of seals and washers



cover cap



edge protection



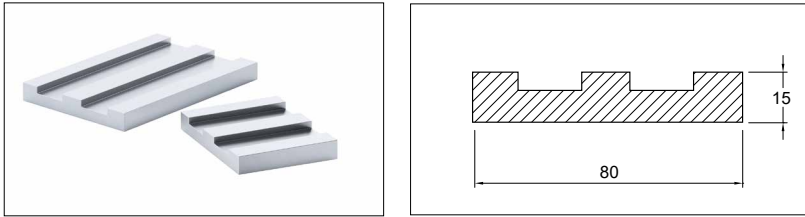
railing



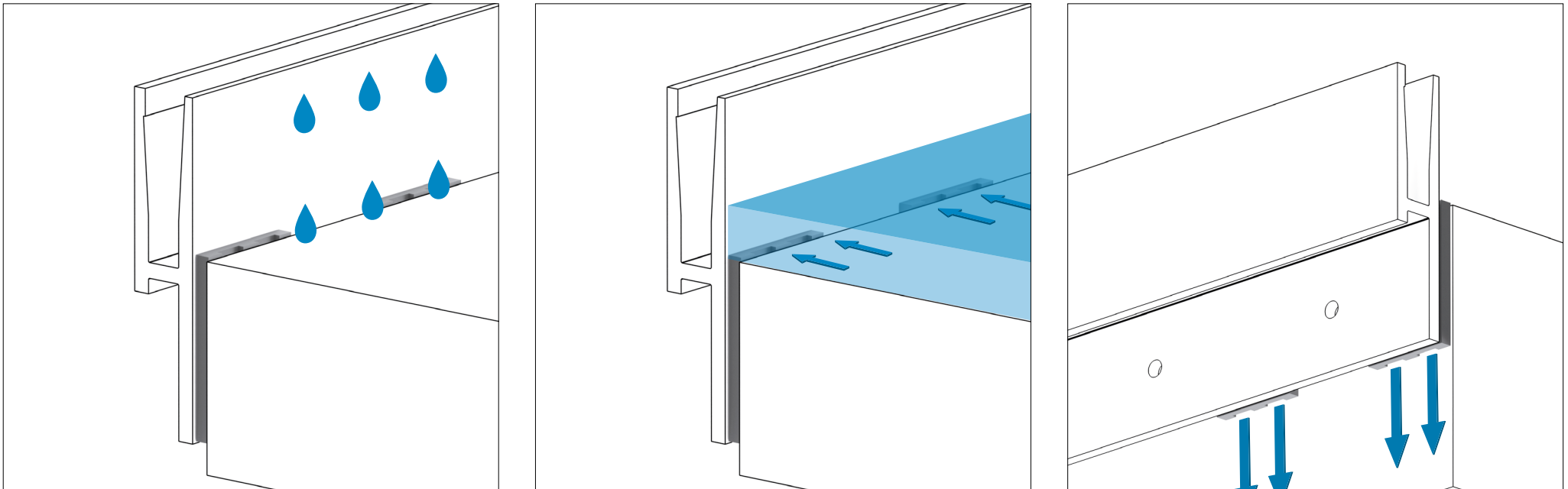
trimming service



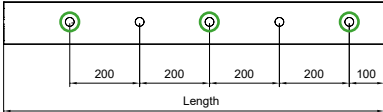
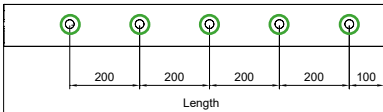
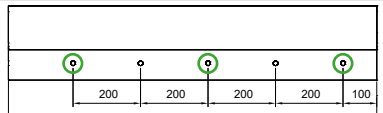
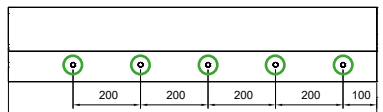
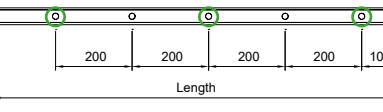
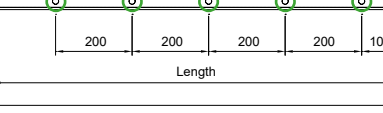
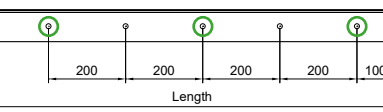
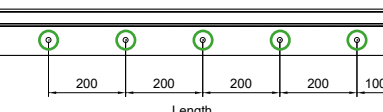
Drainage system



PROFILE 4

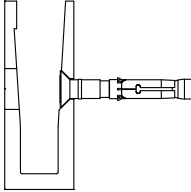
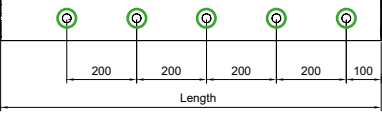
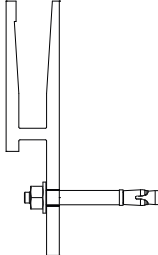
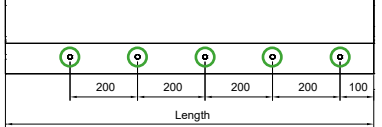
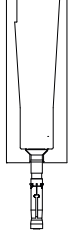
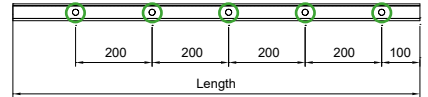
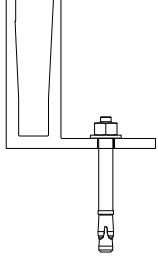
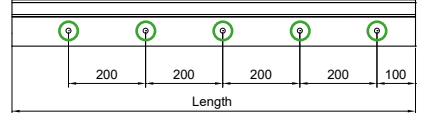


Anchoring table

Load	Profile	Anchor type*	Area	Anchoring method	Number of anchors	
0.5 kN - 1.0 kN	U Profile	Tapered	Reinforced concrete		3m	8
					6m	16
			Wood		3m	15
					6m	30
	Profile 4	Normal	Reinforced concrete		3m	8
					6m	16
			Wood		3m	15
					6m	30
	Ud Profile	Tapered	Reinforced concrete		3m	8
					6m	16
			Wood		3m	15
					6m	30
UL Profile	Normal	Reinforced concrete		3m	8	
				6m	16	
		Wood		3m	15	
				6m	30	

* the presented types of anchors are used only for mounting to a reinforced concrete slab

Anchoring table

Load	Profile	Anchor type*	Area	Anchoring method	Number of anchors		
1.5 kN	U Profile	Tapered		Reinforced concrete		3m	8
						6m	30
	Profile 4	Normal		Reinforced concrete		3m	8
						6m	30
	Ud Profile	Tapered		Reinforced concrete		3m	8
						6m	30
	UL Profile	Normal		Reinforced concrete		3m	8
						6m	30

* the presented types of anchors are used only for mounting to a reinforced concrete slab

Seals and wedges



Index	Glass thickness	Length	Colour	Material
BR-13.75x16.5x11.75 BR-20.03x15.68x8.7	66.2 (12,76 mm)	1000 mm	Black	EPDM
BR-13.75x14.51x9.75 BR-20.03x13.71x6.7	88.2 (16,76 mm)	1000 mm	Black	EPDM
BR-13.75x12.09x7.37 BR-20.03x11.31x4.32	1010.4 (21,52 mm)	1000 mm	Black	EPDM

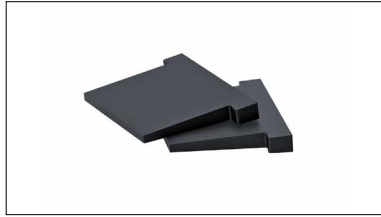


Index	Glass thickness	Length	Colour	Material
PVC-75x50x8.3 9x5.26	66.2 (12,76 mm)	for 3000 mm profile	Black	Hard PVC
PVC-75x50x6.3 9x3.26	88.2 (16,76 mm)	for 3000 mm profile	Black	Hard PVC
PVC-75x50x4.8 2x1.7	1010.4 (21,52 mm)	for 3000 mm profile	Black	Hard PVC

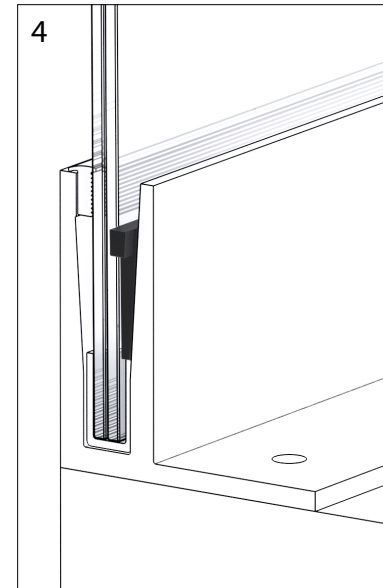
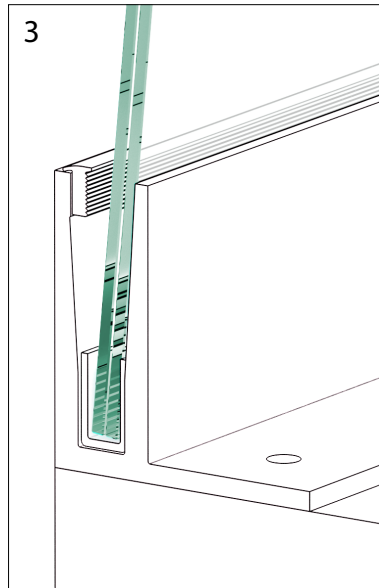
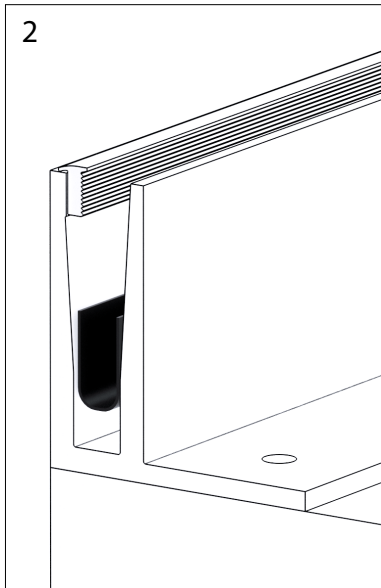
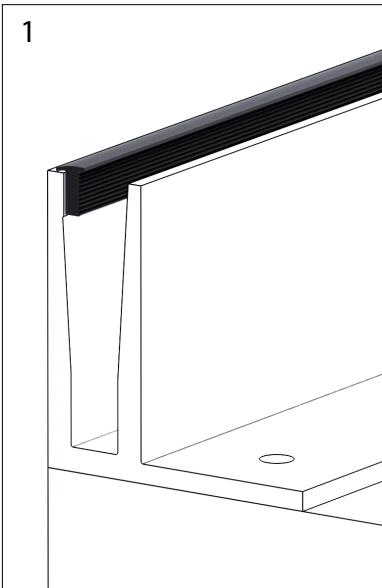


Index	Glass thickness	Size	Pieces	Material
BR-100x100x5 BR-100x100x1	66.2 (12,76 mm)	100x100x5 mm 100x100x1 mm	4 4	EPDM
BR-100x100x3 BR-100x100x1	88.2 (16,76 mm)	100x100x3 mm 100x100x1 mm	4 4	EPDM
BR-100x100x1.5	1010.4 (21,52 mm)	100x100x1.5 mm	4	EPDM

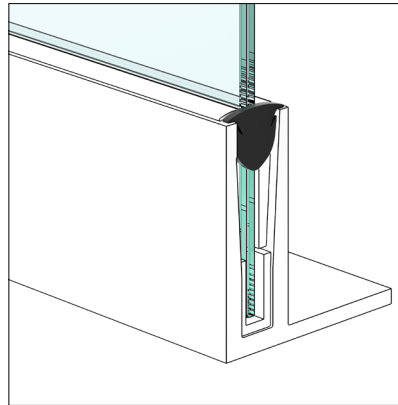
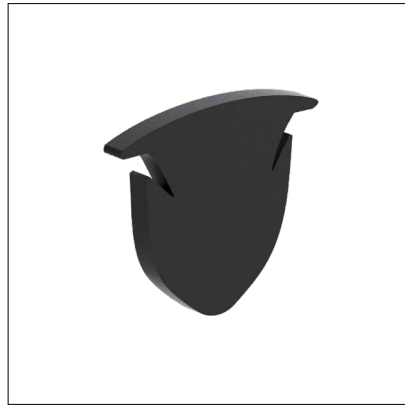
Glass mounting in profile



INSTALLATION STEPS



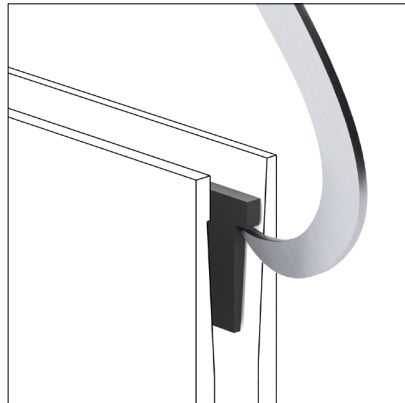
Glazing gasket



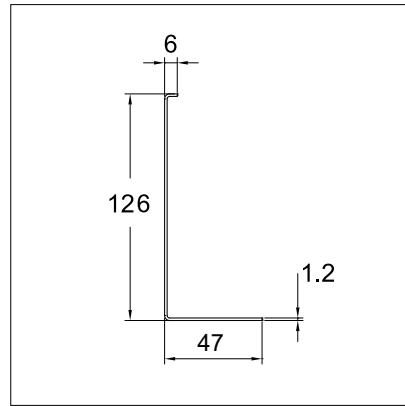
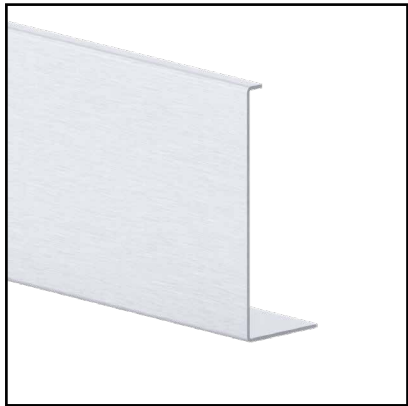
Index	Thickness	Material
UMS-01	cut on site	EPDM

Hook

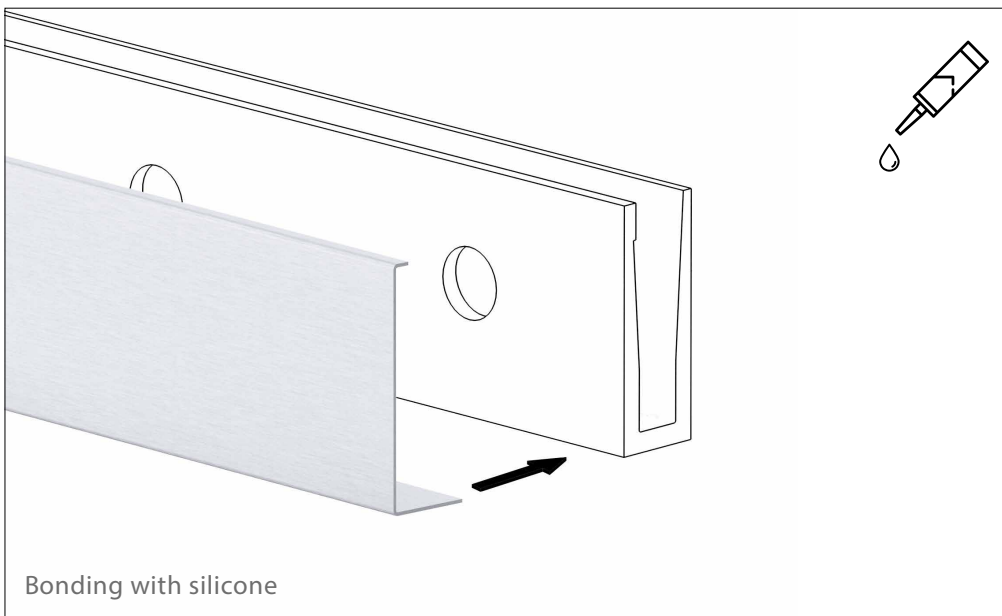
Facilitating wedge removal



Cover caps

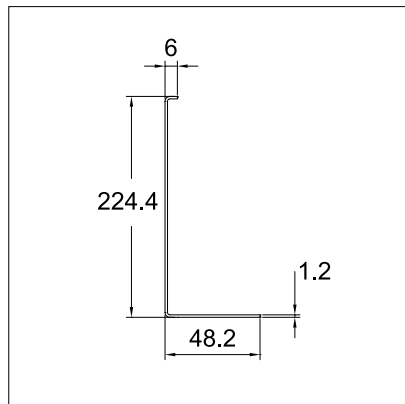


Index	Colour	Material
MU-01	Natural anodised	Aluminium
MU-02	Anodised, brush finish	Aluminium
MU-03	Black anodised*	Aluminium

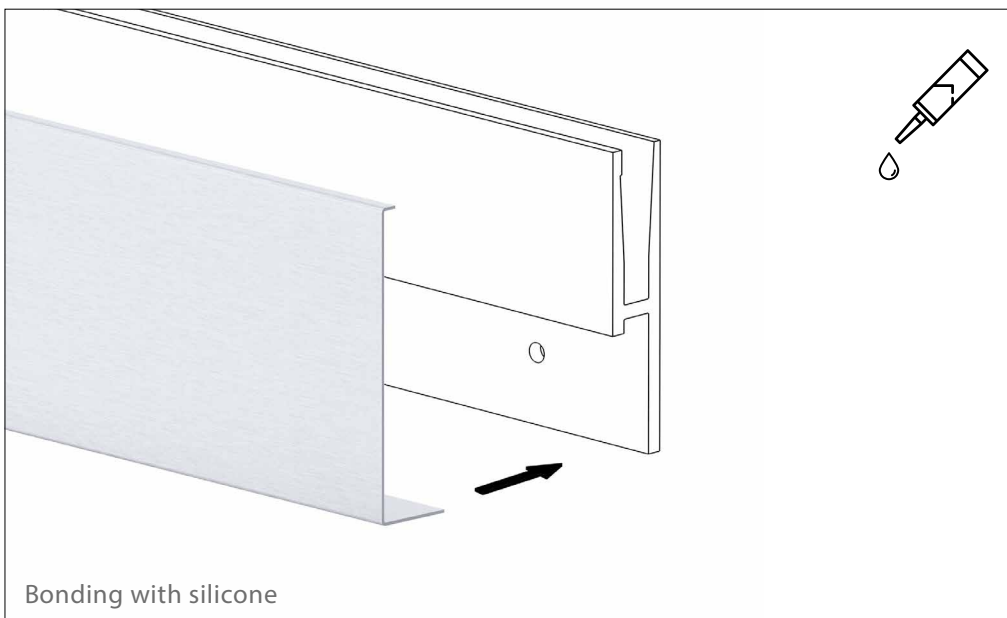


* on request

Cover caps

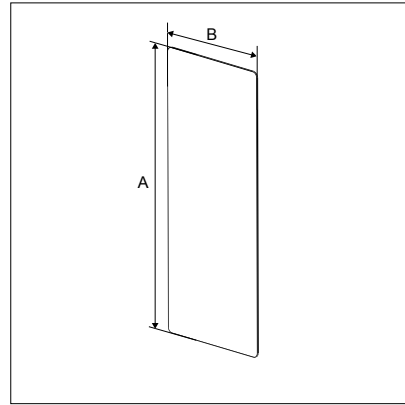


Index	Colour	Material
M4-01	Natural anodised	Aluminium
M4-02	Anodised, brush finish	Aluminium
M4-03	Black anodised*	Aluminium



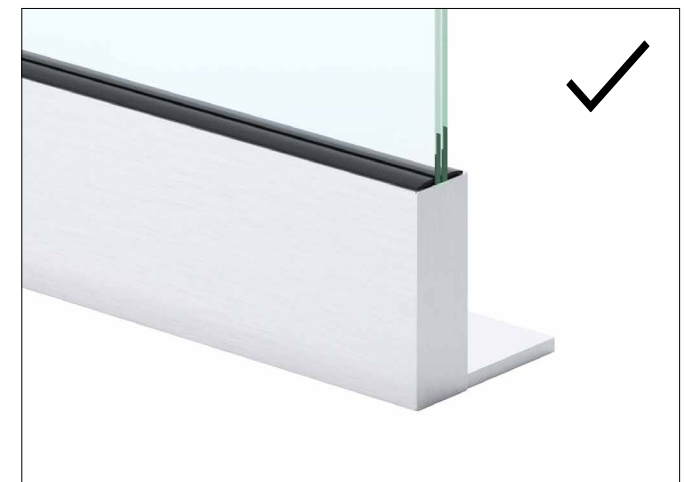
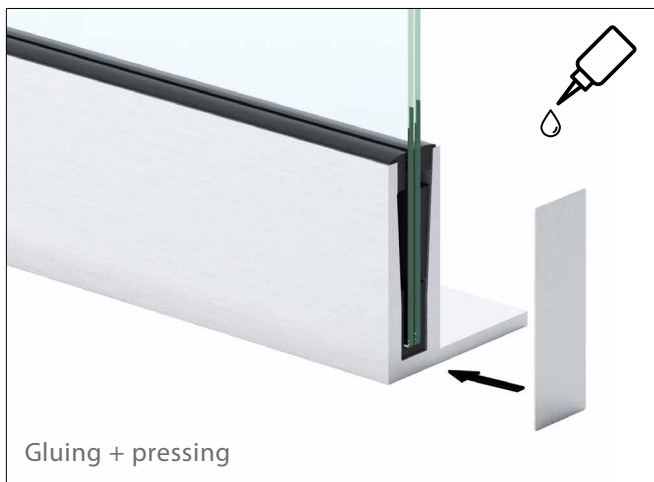
* on request

Plugs



Index	Profile Type	Size	Material	Colour
Z-01	U	120x44	Aluminium	Natural anodised Anodised, brush finish Black anodised*
Z-02	Ud	120x44	Aluminium	Natural anodised Anodised, brush finish Black anodised*
Z-03	UL	120x44	Aluminium	Natural anodised Anodised, brush finish Black anodised*
Z-04	4	220x46	Aluminium	Natural anodised Anodised, brush finish Black anodised*

INSTALLATION STEPS



* on request



Digital Print

Digital ceramic printing on glass

Digital Print is an innovative technology **of multi-colour digital ceramic printing on glass**. The printed area with a resolution of up to **720 dpi** extremely precise, and after the hardening process, it is durable and resistant to damage. The maximum size of the printed template is **2800 x 6000 mm**.

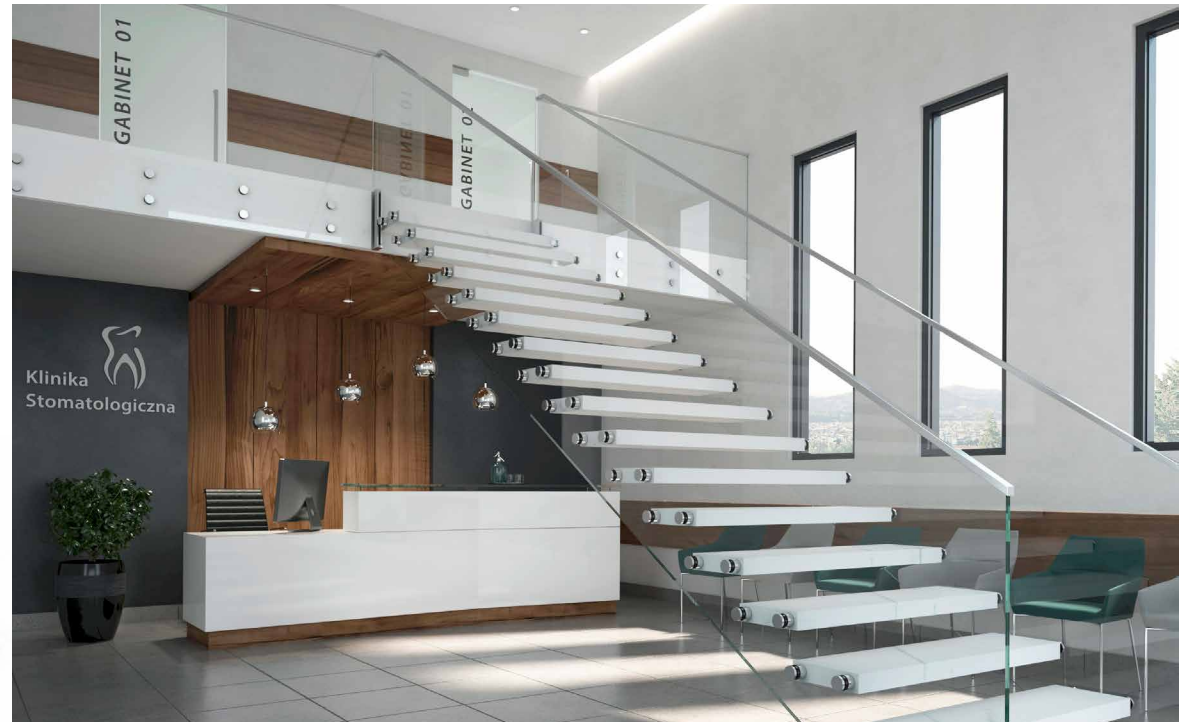
You will find many different printing proposals in our project database. We are open to your printing designs, because this technology allows you to produce a glass element **with a custom designed pattern**.

Digital print on glass is used for such products as glass facades, glazed balustrades, doors, glazing and shower enclosures.

Technical requirements for the image:

File types: .jpg, .pdf, .AI, .EPS, TIFF

Resolution: minimum 300 dpi



Printing patterns

200 patterns + custom designs



Maximum dimension

2800 x 6000 mm



Print durability

Ceramic paint



Safety

Toughened glass



Graphite glass

Anodised black profile

Colour scheme and profile finishing

NATURAL ANODISED



NATURAL ANODISED, BRUSH FINISH



BLACK ANODISED*



* on request

Colour scheme and top rail finishing

SILVER ANODISED



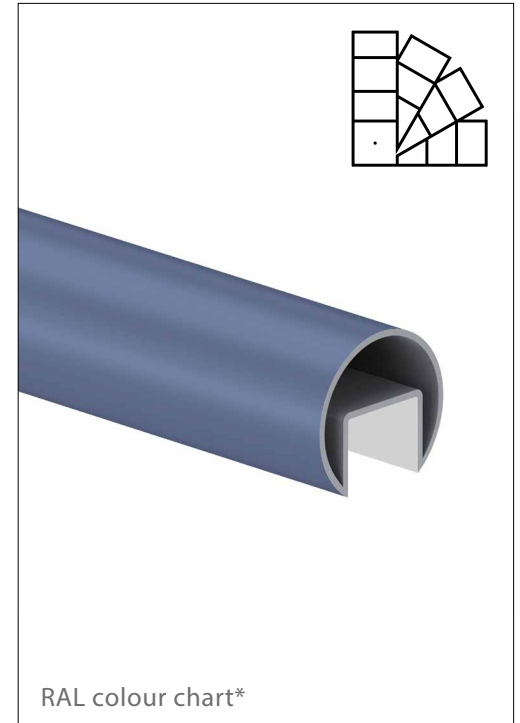
ANODISED, BRUSH FINISH



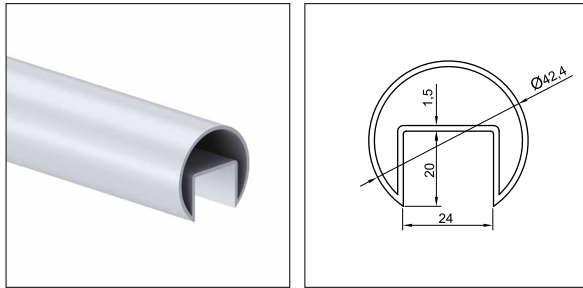
BLACK ANODISED*



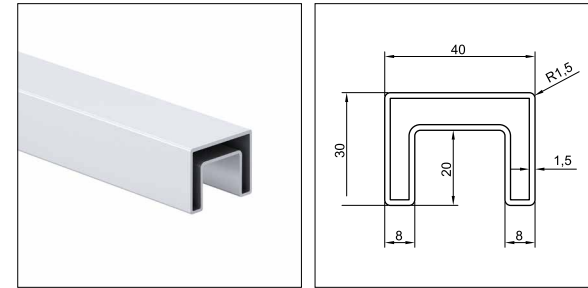
POWDER COATING



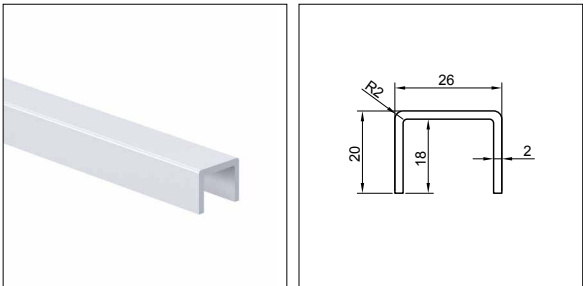
Types of top rails



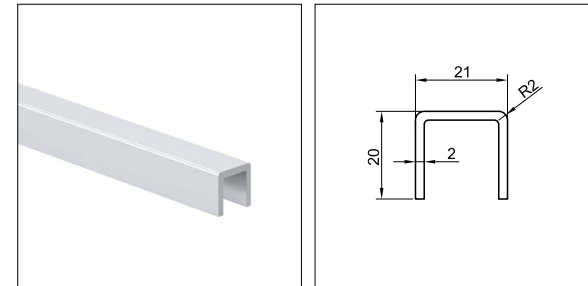
Glass thickness	12.76 mm - 21.52 mm
Length	3000 mm / 6000 mm
Material	Aluminium T66
Surface area	Anodised: natural; black*; brush finish



Glass thickness	12.76 mm - 21.52 mm
Length	3000 mm / 6000 mm
Material	Aluminium T66
Surface area	Anodised: natural; black*; brush finish



Glass thickness	12.76 mm - 17.56 mm
Length	3000 mm / 6000 mm
Material	Aluminium T66
Surface area	Anodised: natural; black*; brush finish



Glass thickness	12.76 mm - 17.56 mm
Length	3000 mm / 6000 mm
Material	Aluminium T66
Surface area	Anodised: natural; black*; brush finish

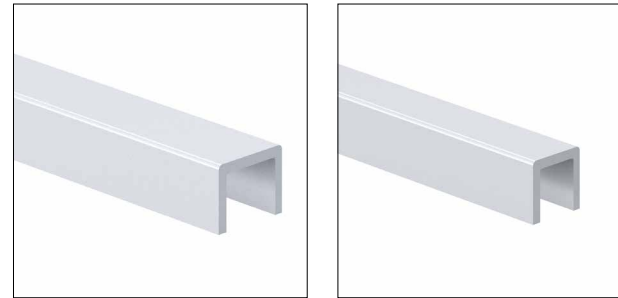
We recommend a top rail or a channel section to protect the glass edge.

Top rail mounting in glass

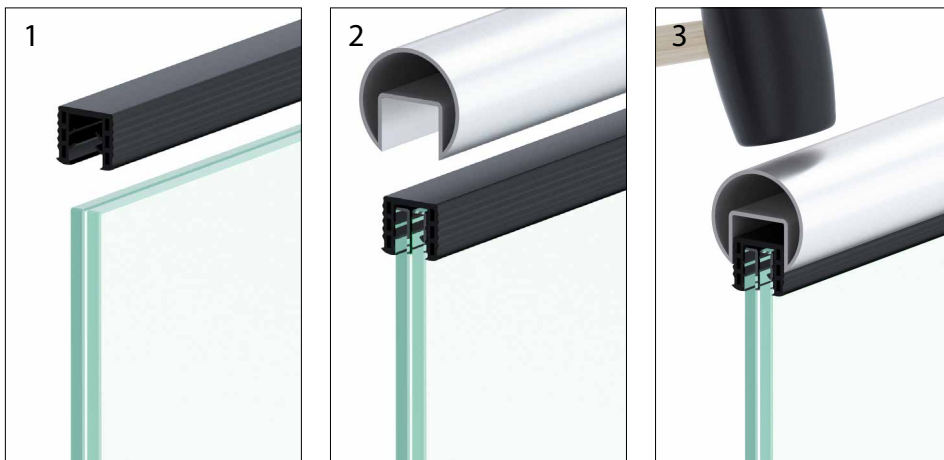
TOP RAIL MOUNTED ON SEALS



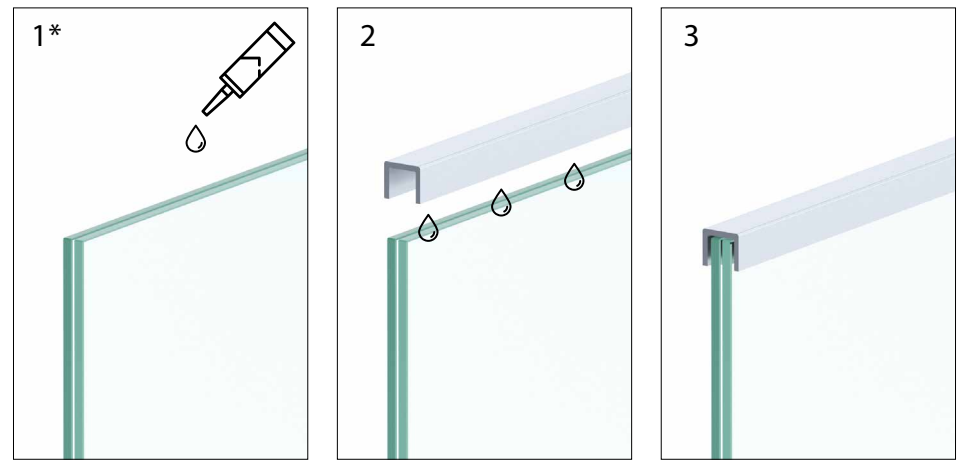
TOP RAIL MOUNTED ON SILICONE



INSTALLATION STEPS



INSTALLATION STEPS



* neutral acetic acid free silicone



SentryGlas film

NEW

SentryGlas film is characterised by higher strength than traditional PVB film and is therefore used in the production of laminated glass with higher requirements, especially in architectural and structural elements such as balustrades.

A definite advantage of the product is greater resistance to external weather conditions (e.g. moisture, UV radiation).

SentryGlas film:

- higher resistance to **delamination**
- the effect of **crystalline transparency**
- improves the **stiffness** of laminated glass
- improves glass **safety** in the case of damage (see fig. 1a, fig. 1b)



fig. 1a

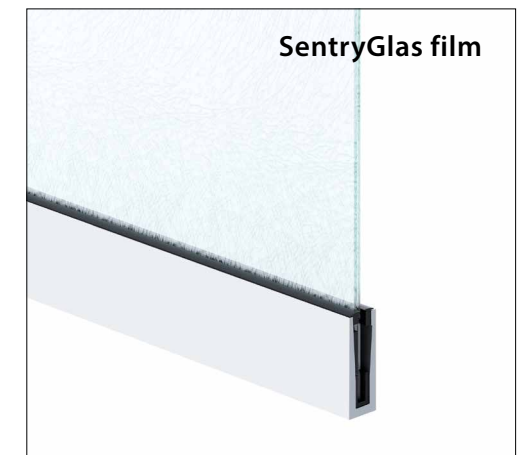


fig. 1b

Wind map



Zone	V _{b,0}	q _{b,0}
1	22 m/s	0,30 kN/m ²
2	26 m/s	0,42 kN/m ²
3	22 m/s	0,30 kN/m ²

Map of country division into zones according to PN-EN 1991-1-4:2008



U Profile | front - mounted

GLASIMO

ZAKAZ
SPOLNYMA HLAVKOU
ZAKUPONEGO POKA OBSETEM



U Profile | front - mounted

GLASIMO®



U Profile | front - mounted



GLASIMO®



Ud Profile | top - mounted

GLASIMO®



Ud Profile | top - mounted



GLASIM D

UL Profile | top - mounted



Profile 4 | front - mounted

GLASIMO

Profile 4 | front - mounted



Profile 4 | front - mounted

GLASIMO®

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Release date: September 2020