



Alumil

Alumil  **SMARTIA**
Glass Railings



At ALUMIL we are building excellence every day
La ALUMIL, construim excelenta in fiecare zi

Our continuous research and development leads to offering unique solutions with many innovative features which totally meet the needs of our customers.

When it comes to glass railings, ALUMIL offers two different systems, SMARTIA M8200 and SMARTIA M8250, designed for the construction of efficient glass railings, which optimize the visual field and offer a real sense of freedom and luxury.

- / Innovative design.
- / Top quality and high standards.
- / Enhanced safety levels.
- / Large range of solutions.
- / Installation ease.

Cercetarea si dezvoltarea noastra continua au condus la posibilitatea oferirii unor solutii unice, cu multe caracteristici inovatoare, ce reusesc sa satisfaca si cele mai exigente cerinte.

Cand vine vorba despre balustradele de sticla, ALUMIL ofera doua sisteme diferite, SMARTIA M8200 si SMARTIA M8250, proiectate pentru constructia unor balustrade de sticla eficiente, care optimizeaza campul vizual si ofera un real simt al libertatii si luxului.

- / Design inovator.
- / Calitate de top si standarde foarte ridicate.
- / Nivel sporit de siguranta.
- / Gama variata de solutii.
- / Instalare facila.

SMARTIA
M8200

SMARTIA
M8250

SMARTIA M8200	
TECHNICAL CHARACTERISTICS & SOLUTIONS CARACTERISTICI TEHNICE & SOLUTII	4-9
M8200 ON FLOOR / M8200 CU FIXARE PE PARDOSEALA	10
M8207 ON FLOOR / M8207 CU FIXARE PE PARDOSEALA	12
M8209 ON FLOOR / M8209 CU FIXARE PE PARDOSEALA	14
M8202 SIDE-MOUNTED M8202 MONTATA PE LATERALUL PLANSEULUI	16
M8210 EMBEDDED / M8210 INCASTRATA	18
M8208 CURVED / M8208 CURBAT	20

SMARTIA M8250	
TECHNICAL CHARACTERISTICS & SOLUTIONS CARACTERISTICI TEHNICE & SOLUTII	22-25
PERFORMANCES PERFORMANTE	26



Minimalistic aesthetics without any compromise to safety and performance

SMARTIA M8200 is a top quality proposal for vertical glass support structures of modern design and extreme safety levels. The system is designed for the construction of glass railings without mullions, so as to increase visibility and natural lighting and at the same time upgrade the overall building aesthetics. It offers exceptional solutions for modern residences, hotels and shopping malls, public buildings and surrounding areas.

Incomparable advantages of SMARTIA M8200 Glass Railings:

- / Extreme sturdiness and top safety levels.
- / Large dimensions in terms of height and total length.
- / Extensive variety of technical solutions and surface treatment finishes.
- / Very easy and fast installation.
- / No glass alignment issues, with or without handrail.
- / ALUMIL product, a European product of top quality.

Estetica minimalista fara niciun compromis privind siguranta si performanta

SMARTIA M8200 este o propunere exclusivista pentru structurile verticale de suport pentru sticla, cu design modern si siguranta sporita. Sistemul este proiectat pentru balustrade din sticla, fara montanti pe verticala, oferind astfel o vizibilitate sporita si permitand patrunderea unui volum de lumina naturala mai mare, imbunatatind, in acelasi timp, estetica generala a cladirii. Oferă solutii exceptionale pentru resedinte moderne, hoteluri si centre comerciale, cladiri publice si zonele inconjuratoare.

Avantajele inegalabile ale balustradelor de sticla SMARTIA M8200:

- / Extrem de robust si cu siguranta sporita.
- / Permite dimensiuni ample in ceea ce priveste inaltimea si lungimea totala.
- / Varietate extinsa de solutii tehnice si finisaje pentru tratamentele de suprafata.
- / Instalare rapida si usoara.
- / Fara probleme privind alinierea sticlei, cu sau fara profile pentru mana curenta.
- / Produs ALUMIL, un produs european de calitate ridicata.



Designed with emphasis on detail to achieve high performance

Proiectat cu accent pe detaliu,
pentru obtinerea performantei ridicate

SMARTIA M8200 series meets every contemporary need in a reliable and elegant way, thanks to its impressively wide variety of profiles, glass thicknesses, mounting and surface treatment options.

SMARTIA M8200 satisface orice nevoie contemporana, intr-un mod elegant si de incredere, multumita varietatii sale impresionante de profile, grosimi ale geamurilor, montarii si optiunilor pentru tratamentele de suprafata.



1. Characterised by top strength so as to withstand impact and linear horizontal loads up to 4,0 KN/m.

1. Sistemul este caracterizat de o duritate impresionanta, rezistand impactului si incarcarilor liniare orizontale, de pana la 4,0 KN/m.



2. All solutions are based on specially designed and continuous aluminium profiles, which ensures extreme robustness and ease of installation.

2. Toate solutiile sunt bazate pe profile de aluminiu continue si proiectate special, asigurand rezistenta extrema si usurinta instalarii.

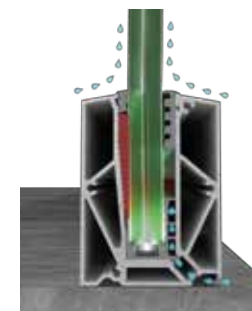
Technical features

Caracteristici tehnice



3. Numerous typologies with on-floor, in-floor and side mounting, handrails in various shapes, etc.

3. Numeroase tipologii cu fixare pe pardoseala, in pardoseala, laterala, profile de mana curenta in diverse forme etc.



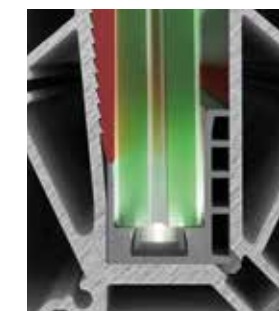
5. Efficient sealing and water drainage system to avoid the corrosion factor of water.

5. Sistem de etanseizare si drenare a apei foarte eficient, pentru a evita coroziunea datorata acesteia.



4. For laminated tempered glass with quadruple membrane and for 5+5, 6+6, 8+8 and 10+10 mm glass thicknesses.

4. Pentru geam securizat laminat cu membrana cvadrupla si pentru grosimi pentru 5+5, 6+6, 8+8 si 10+10.



6. Option for LED lighting through application at the bottom, for enhanced light diffusion.

6. Optiune de iluminare LED, prin aplicarea la baza a unui sistem de iluminare difuz.





M8200

On-floor with extreme robustness.

Fixare pe pardoseala cu rezistenta extrema.



M8207

On-floor with top sturdiness and smart features.

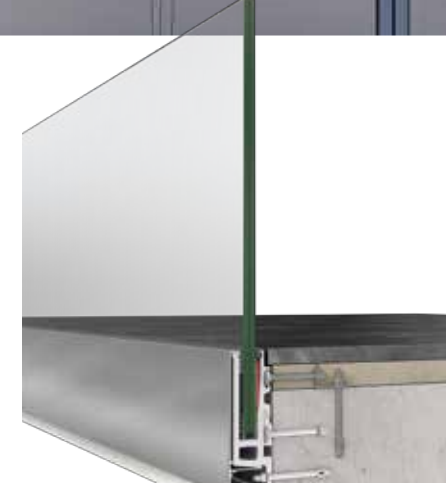
Fixare pe pardoseala cu rezistenta de top si caracteristici inteligente.



M8209

Light weight on-floor solution.

Solutie cu fixare pe pardoseala cu greutate scazuta.



M8202

Side-mounted for finished and semi-finished floor.

Solutie fixata in lateral pentru pardoseli finisate sau semi-finisate.



M8210

Specially designed for embedded installation.

Solutie proiectata special pentru instalare incastrata.



M8208

On-floor with continuous curved profiles.

Fixare pe pardoseala cu profil continuu curbat.



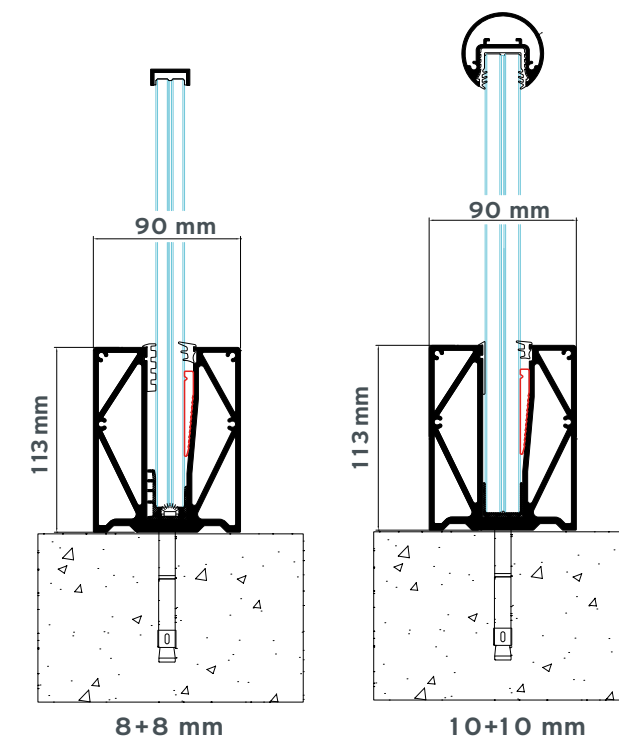
When extreme sturdiness is a prerequisite Cand rezistenta extrema este o conditie esentiala

An extremely sturdy solution ideal for spaces where increased safety is required, particularly in crowded places such as hotels, amusement terraces, high buildings, even for stadiums.

- / Basic dimensions 90 x 113 mm.
- / Linear weight 7,26 Kg/m.
- / Maximum height 1,2 m (from floor level and without handrail).
- / Linear horizontal load up to 4 KN/m.
- / 8+8 mm and 10+10 mm glass.

O solutie extrem de rezistenta, pentru spatii in care siguranta crescuta este necesara, cu precadere in locuri aglomerate, precum hoteluri, terase, cladiri inalte si chiar pentru stadioane.

- / Dimensiuni de baza 90 x 113 mm.
- / Greutate liniara 7,26 Kg/m.
- / Inaltime maxima 1,2 m (de la nivelul podelei si fara profil de mana curenta).
- / Incarcare liniara orizontala de pana la 4 KN/m.
- / Geam de 8+8 mm si 10+10 mm.





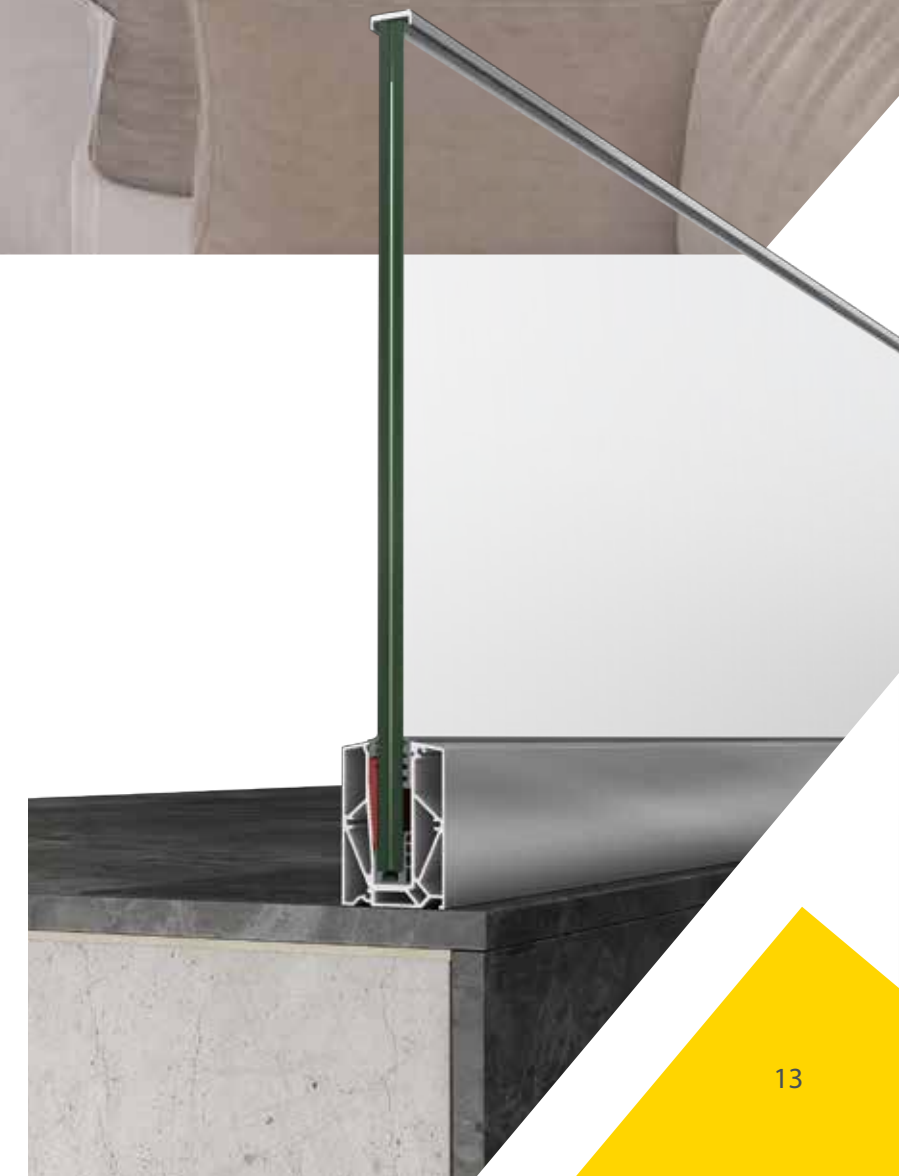
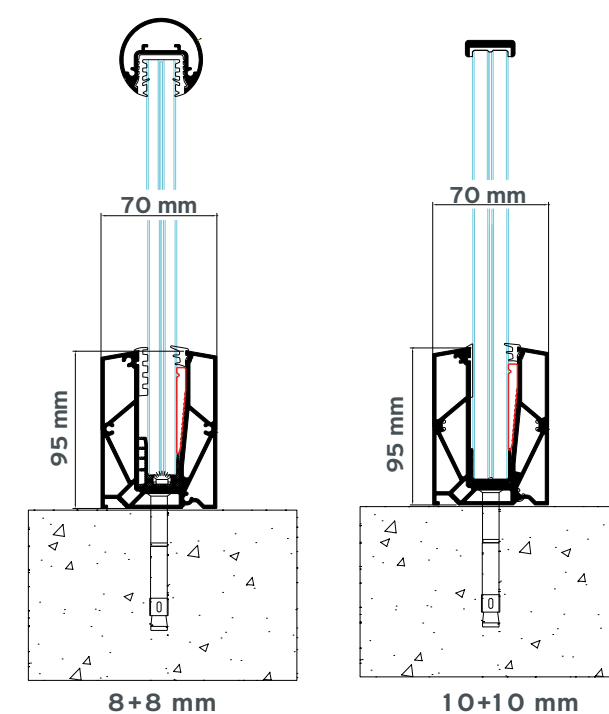
High performance with ideal strength-weight ratio Performanta ridicata cu raport ideal rezistenta-greutate

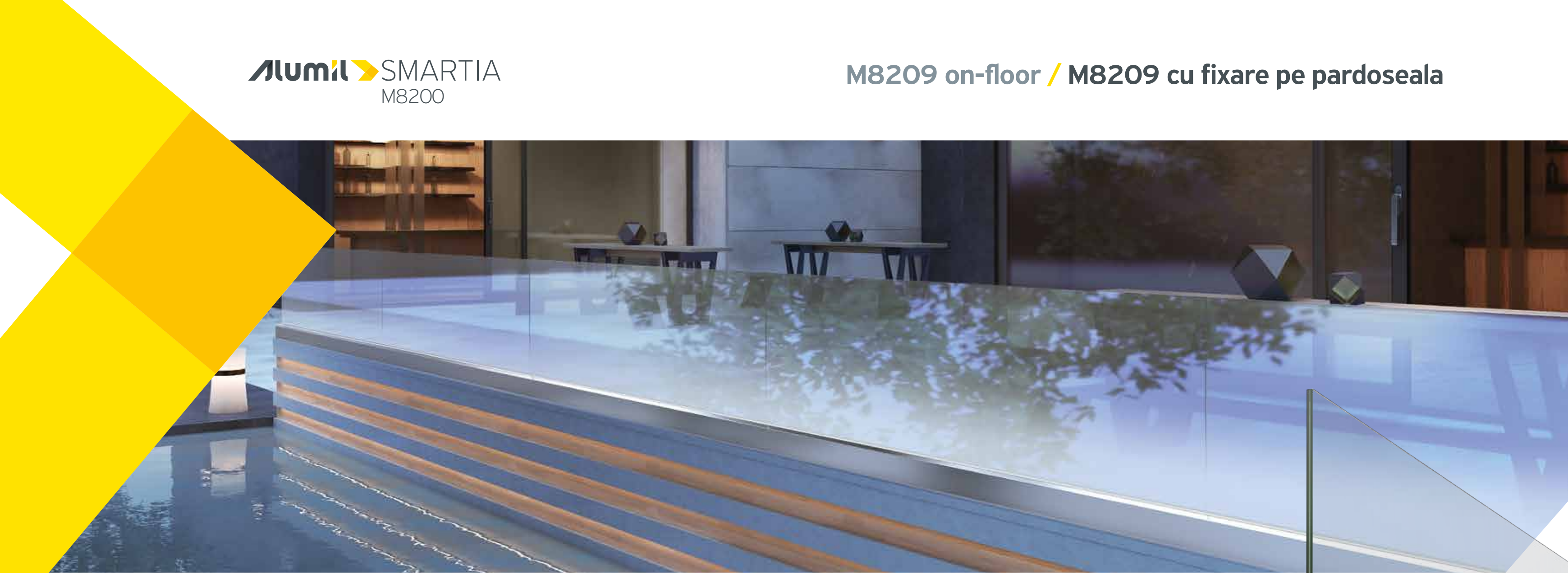
Top sturdiness and high levels of safety are met in this relatively light base profile, making M8207 an exceptional solution, ideal for most of the applications with glass railings.

- / Basic dimensions 70 x 95 mm.
- / Linear weight 4,04 Kg/m.
- / Maximum height 1,2 m (from floor level and without handrail).
- / Linear horizontal load up to 2,0 KN/m.
- / 8+8 mm and 10+10 mm glass.
- / Special channel for easy water drainage.
- / A slight slope to drive away dust and water.

Acest profil este caracterizat de rezistenta de top si siguranta ridicata, facand din M8207 o solutie exceptionala, ideal pentru cele mai multe aplicatii cu balustrade de sticla.

- / Dimensiuni de baza 70 x 95 mm.
- / Greutate liniara 4,04 Kg/m.
- / Inaltime maxima 1,2 m (de la nivelul podelei si fara profil de mana curenta).
- / Incarcare liniara orizontala de pana la 2,0 KN/m.
- / Geam de 8+8 mm si 10+10 mm.
- / Canal special pentru drenarea facila a apei.
- / O panta lina pentru eliminarea prafului si a apei.





Minimal aesthetics for light-weight railing constructions

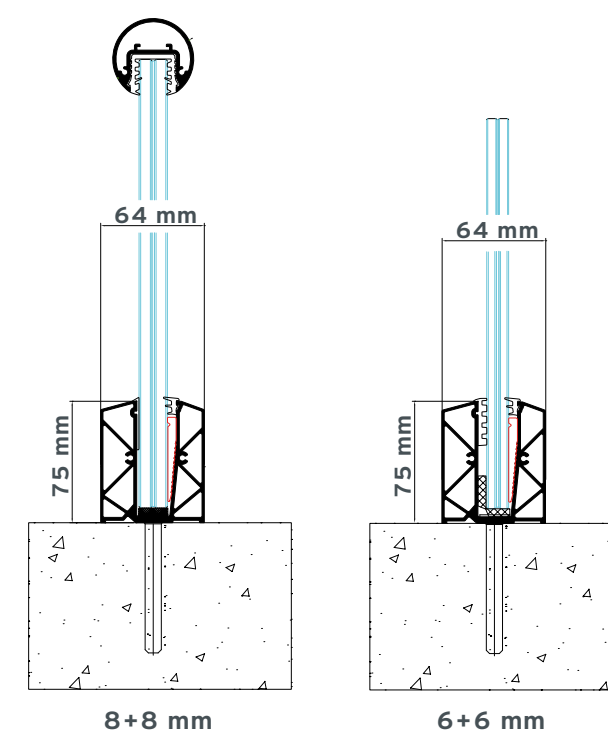
Estetica minimalista pentru constructii cu balustrade cu greutate redusa

M8209 is a much lighter profile with similar design and provides railing structures up to 0,70 m high on existing concrete parapets, even without a handrail. With much less visible aluminium, it offers minimal solutions which are distinguished for their elegance and safety.

- / Basic dimensions 64 x 75 mm.
- / Linear weight 2,58 Kg/m.
- / Maximum height 0,7 m (from floor level and without handrail).
- / Linear horizontal load up to 1,0 KN/m.
- / 8+8 mm, 6+6 mm and 5+5 mm glass.

M8209 este un profil cu o greutate mai redusa, cu design asemanator cu celelalte si care ofera solutii pentru structuri de balustrada de pana la 0,7 m inaltime, pe parapeti de beton existenti, chiar si fara profil de mana curenta. Cu o suprafata de aluminiu vizibila mult mai redusa, ofera solutii minimaliste, ce se deosebesc prin eleganta si siguranta.

- / Dimensiuni de baza 64 x 75 mm.
- / Greutate liniara 2,58 Kg/m.
- / Inaltime maxima 0,7 m (de la nivelul podelei si fara profil de mana curenta).
- / Rezistenta liniara orizontala de pana la 1,0 KN/m.
- / Geam de 8+8 mm, 6+6 mm si 5+5 mm.





Side-mounted solutions for a totally uninterrupted view

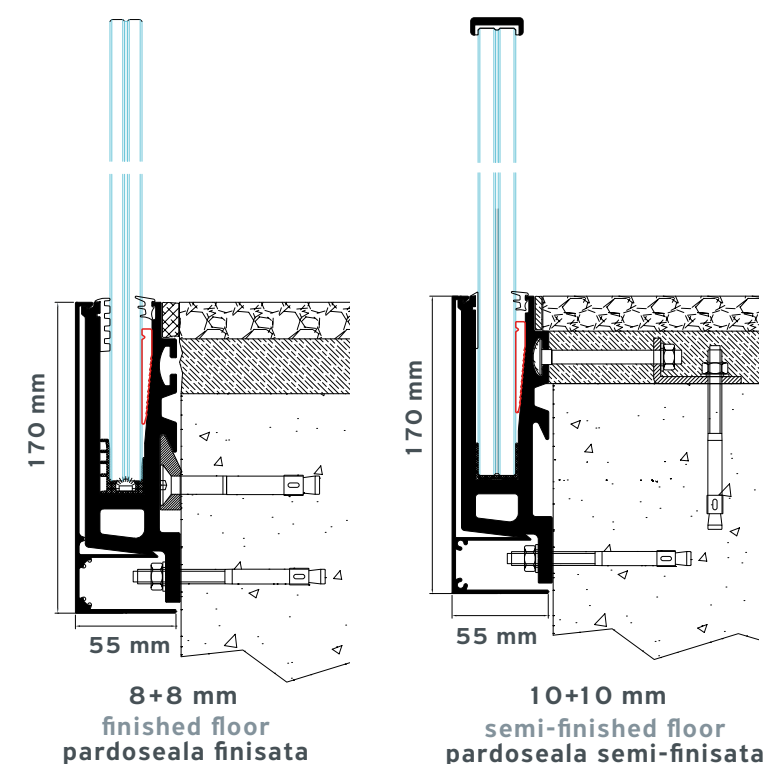
Solutii cu montare laterala pentru o priveliste complet neintrerupta

A very robust railing proposal which is side-mounted either on a finished floor or a semi-finished floor. Mostly suitable for office buildings in which the cover profiles can be a part of a cladding system.

- / Basic dimensions 55 x 170 mm.
- / Linear weight 9,6 Kg/m.
- / Maximum height 1,2 m (from floor level and without handrail).
- / Linear horizontal load up to 3,0 KN/m.
- / 8+8 mm and 10+10 mm glass.
- / Applied to finished and semi-finished floor.
- / Two cover profiles, one of which can support LED tape.

O propunere de balustrada foarte robusta, cu montare laterala pe o pardoseala finisata sau pe una semi-finisata. Este o solutie recomandata pentru cladiri de birouri, unde profilele pot fi integrate in sistemul de cladding.

- / Dimensiuni de baza 55 x 170 mm.
- / Greutate liniara 9,6 Kg/m.
- / Inaltime maxima 1,2 m (de la nivelul podelei si fara profil de mana curenta).
- / Rezistenta liniara orizontala de pana la 3,0 KN/m.
- / Geam de 8+8 mm si 10+10 mm.
- / Solutie aplicabila podelelor finisate sau semi-finisate.
- / Doua profile de acoperire, din care unul poate sustine si o banda LED.





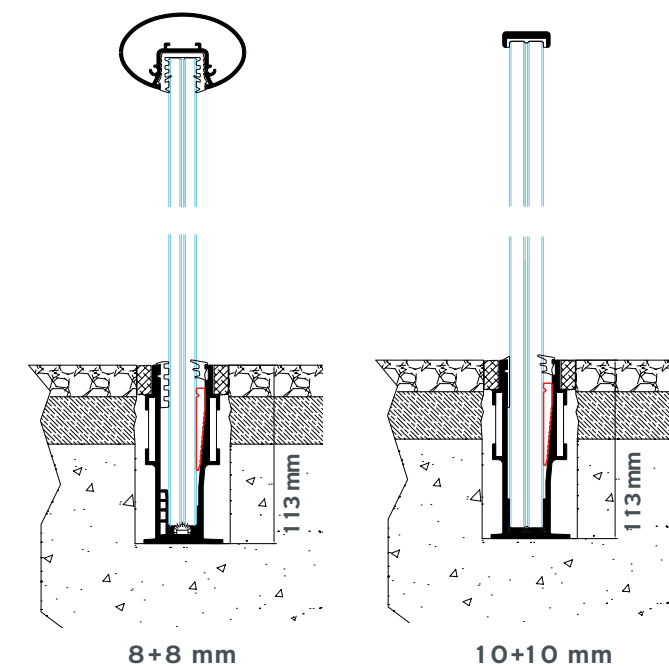
Totally concealed Ascundere completa

Being actually embedded, this typology offers an unrestricted view, especially when combined with minimal window systems like the ones of the PHOS series by ALUMIL.

- / Basic dimensions 50 x 113 mm.
- / Linear weight 2,84 Kg/m.
- / Maximum height 1,2 m (from floor level/without handrail).
- / Linear horizontal load up to 2,0 KN/m.
- / 8+8 mm and 10+10 mm glass.

Fiind practic integrată, această tipologie oferă o priveliște neîntreruptă, mai ales în combinație cu sisteme minimaliste pentru ferestre, precum cele din seria PHOS, de la ALUMIL.

- / Dimensiuni de bază 50 x 113 mm.
- / Greutate liniară 2,84 Kg/m.
- / Înălțime maximă 1,2 m (de la nivelul podelei și fără profil de mână curentă).
- / Rezistență liniară orizontală de până la 2,0 KN/m.
- / Geam de 8+8 mm și 10+10 mm.





Unique continuous profiles for robust, curved constructions

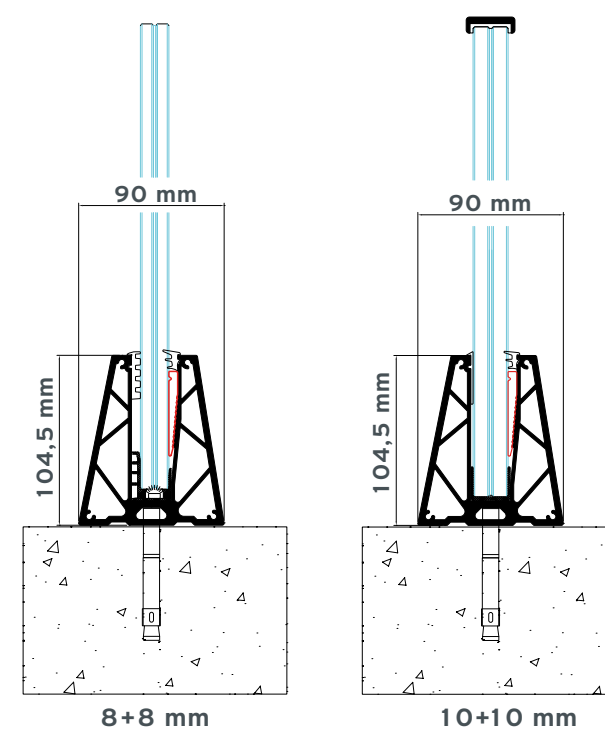
Profile continue unice pentru constructii robuste si curbate

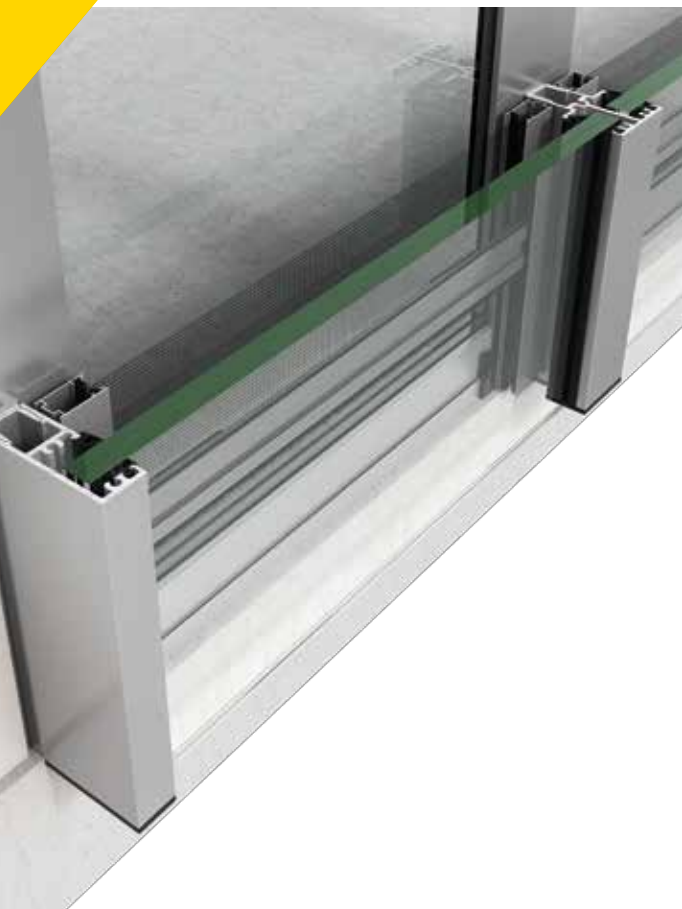
Specially designed profile by ALUMIL, which is ideal for elegant curved railing constructions with robust continuous profiles, with or without handrail.

- / Minimum radius 1,8 m.
- / Basic dimensions 90 x 104,5 mm.
- / Linear weight 5,5 Kg/m.
- / Maximum height 1,2 m (from floor level/without handrail).
- / Linear horizontal load up to 2,0 KN/m.
- / 8+8 mm and 10+10 mm glass.

Profil proiectat de ALUMIL, ideal pentru constructii elegante, curbate si cu profile continue rezistente, cu sau fara profil de mana curenta.

- / Raza minima 1,8 m.
- / Dimensiuni de baza 90 x 104,5 mm.
- / Greutate liniara 5,5 Kg/m.
- / Inaltime maxima 1,2 m (de la nivelul podelei/fara profil de mana curenta).
- / Rezistenta liniara orizontala de pana la 2,0 KN/m.
- / Geam de 8+8 mm si 10+10 mm.





Enhanced safety,
unrestricted view

Siguranta imbunatatita,
priveliste neobturata

SMARTIA M8250 is a glass railing system offering stylish glazed balustrades placed on the outer side of windows, when no balconies are available. This solution provides minimal design and increased safety levels, as well as ultimate transparency and maximum natural light diffusion. Possibility for integrated insect screen.

SMARTIA M8250 este un sistem de balustrada de sticla, ce ofera balustrade elegante, amplasate pe partea exterioara a ferestrelor, in cazul in care nu exista balcon. Aceasta solutie ofera un design minimalist si un nivel imbunatatit de siguranta, precum si transparenta totala si maximizarea volumului de lumina naturala. Exista posibilitatea integrarii plaselor contra insectelor.

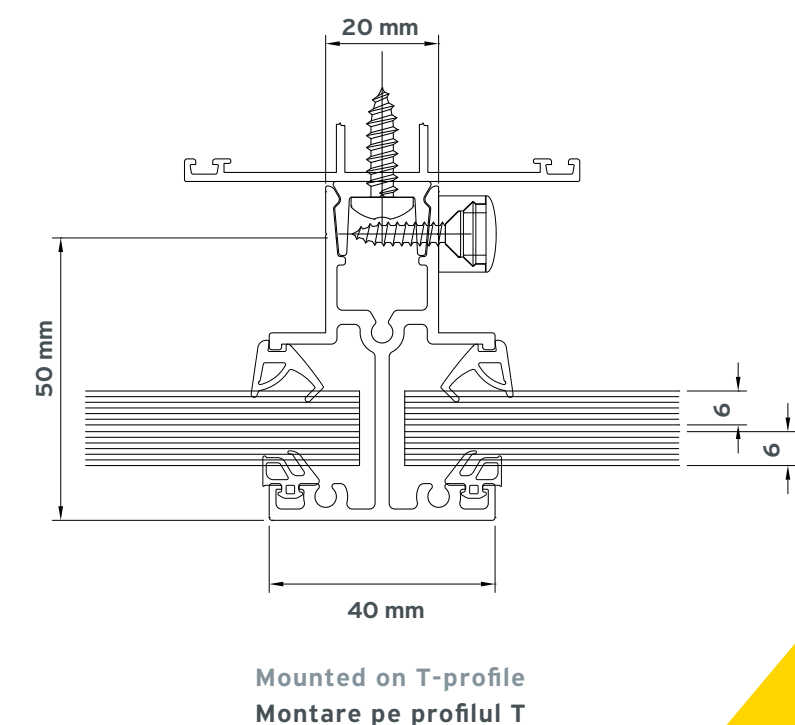
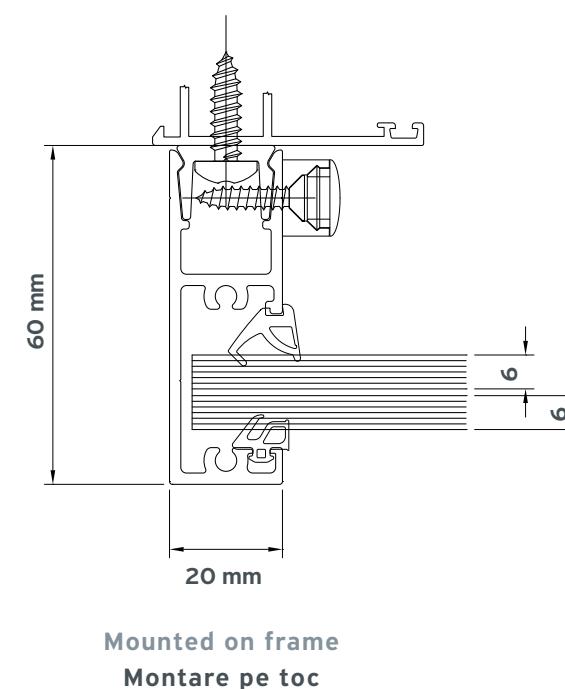
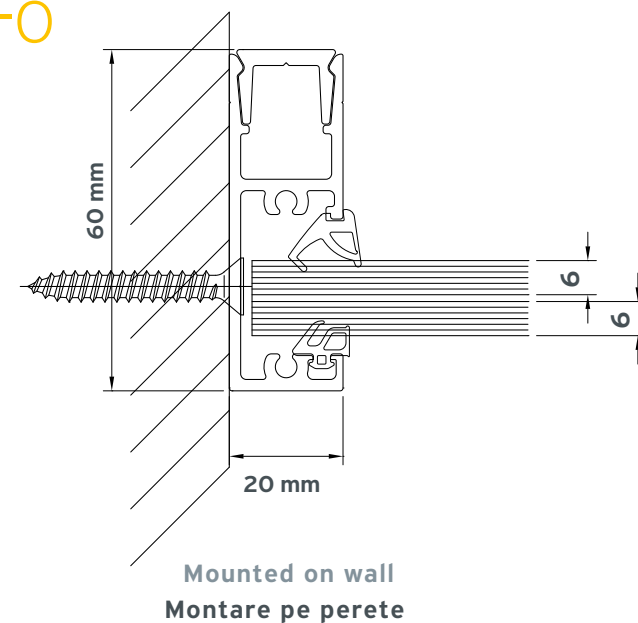




Simplicity and Safety ideally combined
Simplitatea si siguranta intr-o
combinatie ideala

- / Mounted either on frame or on wall.
- / Single and multiple structures.
- / 6+6 mm and 8+8 mm laminate tempered glass.
- / No handrail needed.
- / An integrated fixed fly-screen may be applied.

- / Montate fie pe toc, fie pe perete.
- / Structuri simple sau multiple.
- / Geam laminat de 6+6 mm si 8+8 mm.
- / Nu este necesar profil de mana curenta.
- / Poate fi integrata o plasa fixa impotriva insectelor.



Certifications

Certificari

Tipologie Typology	Sticla Glass	Institut Institute	Incarcare statica (orizontala) Static load (horizontal)	Incarcare dinamica (impact) Dynamic load (impact)
M8200	10+10 mm	Stazione Sperimentale del Vetro S.c.p.A.	3,0 KN/m	
	10+10 mm	Istituto Giordano S.p.A.	2,0 KN/m	Compliant
	8+8 mm	CFT Laboratory	3,85 KN/m	Compliant
M8202	10+10 mm	Stazione Sperimentale del Vetro S.c.p.A.	3,0 KN/m	
	8+8 mm finished	Istituto Giordano S.p.A.	1,0 KN/m	Compliant
	8+8 mm semi-fin	Istituto Giordano S.p.A.	1,0 KN/m	Compliant
M8207	10+10 mm	CFT Laboratory	2,0 KN/m	Compliant
	8+8 mm	CFT Laboratory	2,0 KN/m	Compliant
M8209	8+8 mm	CFT Laboratory	1,0 KN/m	



Specifications

Specificatii

Profile	Type	Glass	Max height
M8200	on-floor	10+10 mm	1,20 m
		8+8 mm	1,20 m
M8207	on-floor	10+10 mm	1,20 m
		8+8 mm	1,20 m
M8209	on-floor	8+8 mm	0,70 m
		6+6 mm	0,70 m
		5+5 mm	0,60 m
M8208	on-floor curved	10+10 mm	1,20 m
		8+8 mm	1,20 m
M8210	embedded	10+10 mm	1,20 m
		8+8 mm	1,20 m
M8202	side-mounted	10+10 mm	1,20 m
		8+8 mm	1,20 m

Reference Projects

Proiecte de referinta



ALUMIL ROMANIA - OFFICES & SHOWROOM

Sos. Bucuresti-Ploiesti, nr.42-44,
Baneasa Business & Technology Park,
Cladirea A, Aripa A1, parter, Sector 1
Tel.: +40 21 4243456 - 8
Fax: +40 21 4233932
www.alumil.ro
E-mail: office@alumil.ro - showroom@alumil.ro

**HEAD OFFICES
& SHOWROOM - THESSALONIKI**

Gogousi 8, Efkarpia
Thessaloniki - GR 564 29
Tel.: +30 2313 011000
Fax: +30 2310 692473
E-mail: info@alumil.com

**HEADQUARTERS & FACTORY
KILKIS INDUSTRIAL AREA**

Kilkis - GR 611 00
Tel.: +30 23410 79300
Fax: +30 23410 71988
E-mail: info@alumil.com



www.alumil.com