GLASS RAILING SYSTEMS

MS GLASS



CE

MS GLASS



XV10

Panorama XV10, the biggest benefit of using this system is the ability of aligning the glass panels up to ± 2° by fixing a set screw from the internal side. This ability helps a lot in projects where no handrail will be used on top of the glass. The system can be finished with one of the oval and straight cladding profiles upon your choice.

Tested and approved with 2 kN/mt load.

The supporting shoes are produced in two different lenghts, 150 mm and 300 mm. The distance between two adjacent shoes should not exceed 300 mm. Thanks to the angle adjustment of the system the installation is a chila's play.

The thickness of the glass must be specified when ordering.





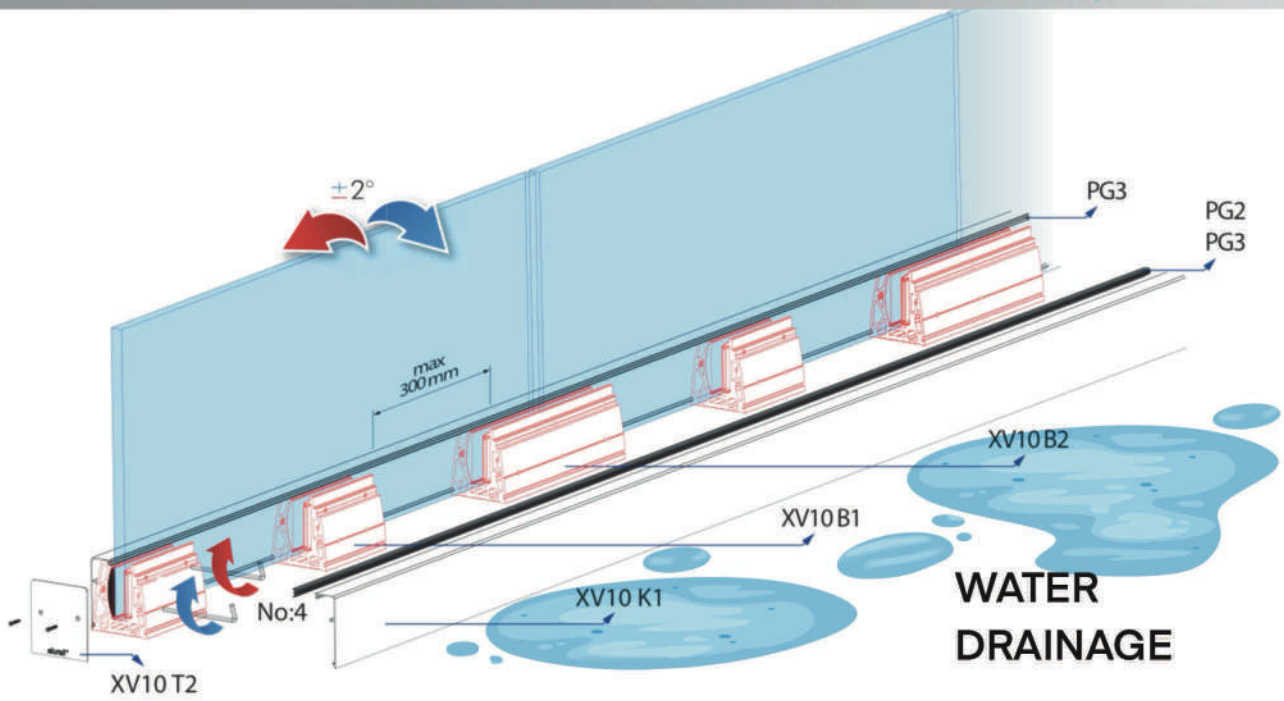
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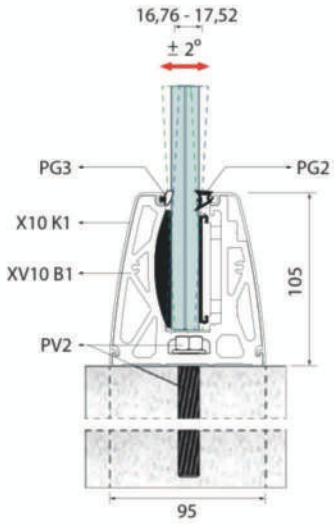
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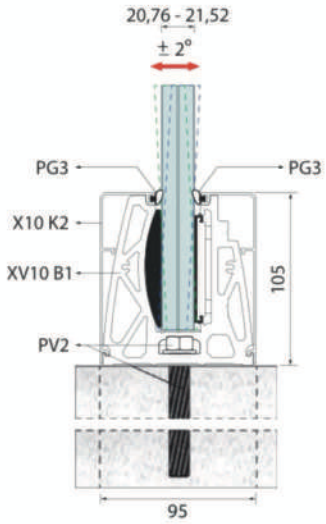


XV10

MS GLASS





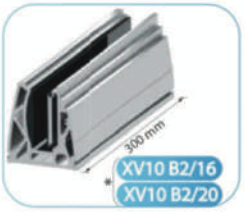
















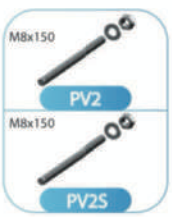


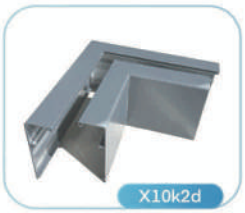












* The product code is selected according to the thickness (8+8 mm / 10+10 mm) of the glass to be used.

CE

MS GLASS



M20-M21

EN panorama M20-M21 systems are developed in two options. The one with oval form is called as M20 where the one with straight form is called as M21. These two systems are designed to be used as continuous rails. You can use 6+6 mm or 8+8 mm glass panels by changing the plastic spacers behind the glass. The glass panels are fixed with plastic wedges.

Tested and approved with 1 kN/mt

These systems are designed to be used as continuous rails. They are supplied in 3.000 mm long bars with predrilled. Anchoring holes at every 250 mm. Depending on your strength expectations you can use either 6+6 mm or 8+8 mm glass panels. Drainage channels of 20 mm width and 4 mm height at every 1.000 mm is optional.



M20



M21

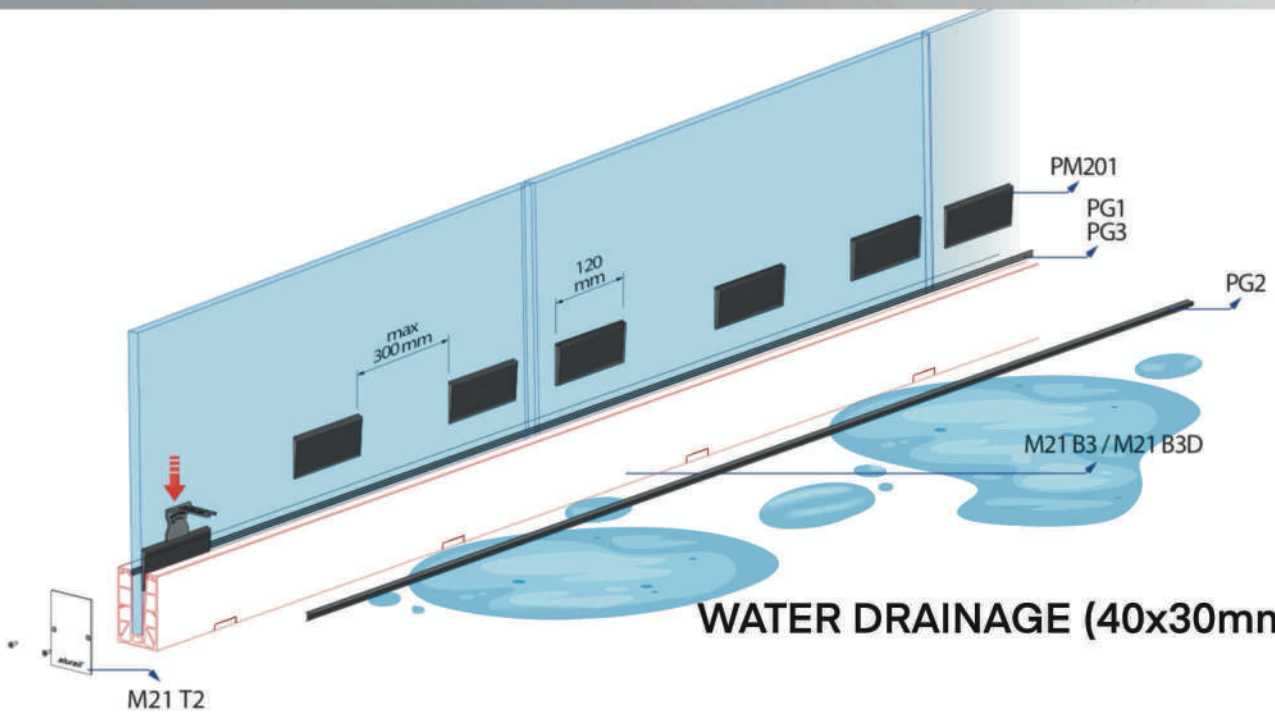


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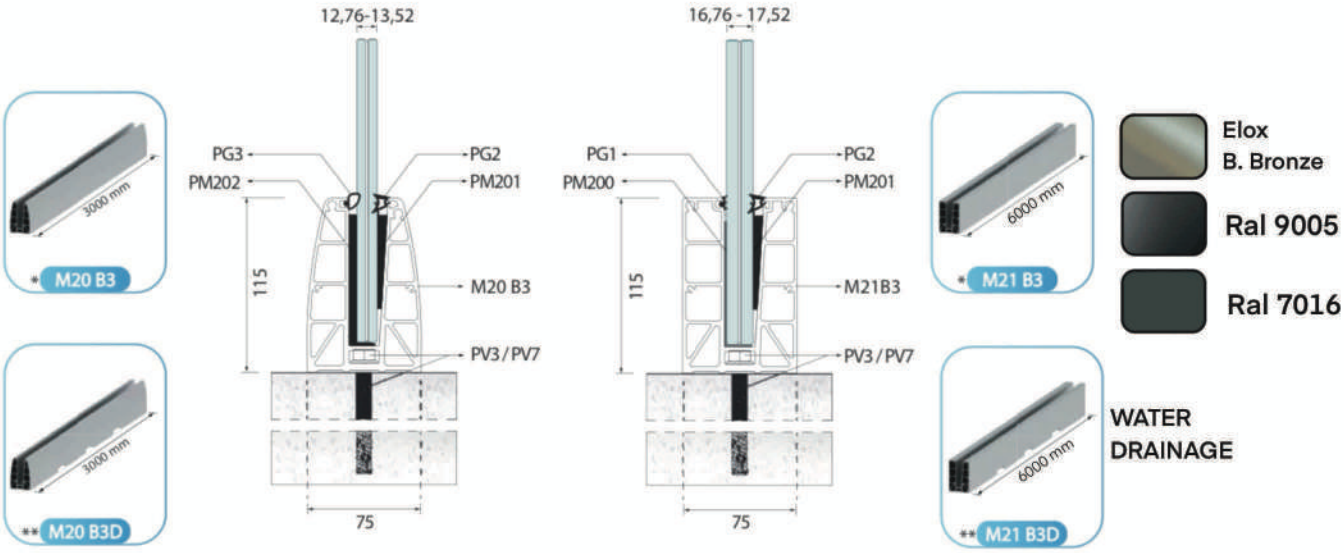
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M20-M21

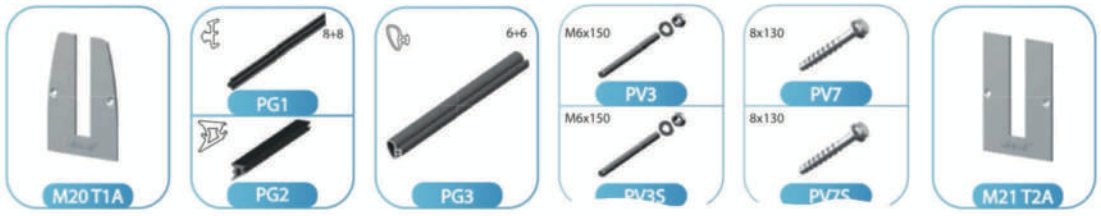
MS GLASS



WATER DRAINAGE (40x30mm)







**Drainage channels of 20 mm width and 4 mm height at every 1000 mm is optional.

CE

MS GLASS



S10

BEST FOR PARAPET WALL,GLASS UP TO 700mm WITHOUT HANDRAIL

EN panorama S10, this system is designed to resist lower loads. You can use 5+5 mm or 6+6 mm glass panels at this system. The glass panels are fixed by the pressure plate which is activated by the set screws located at the internal side of the suporting shoe. You can choose one of our oval or straight cladding profiles to finish the system.

Tested and approved with 0,75 kN/mt load.

The supporing shoes are supplied in 150 mm and 300 mm lengths. The distance between 2 adjacent shoes should not exceed 300 mm.





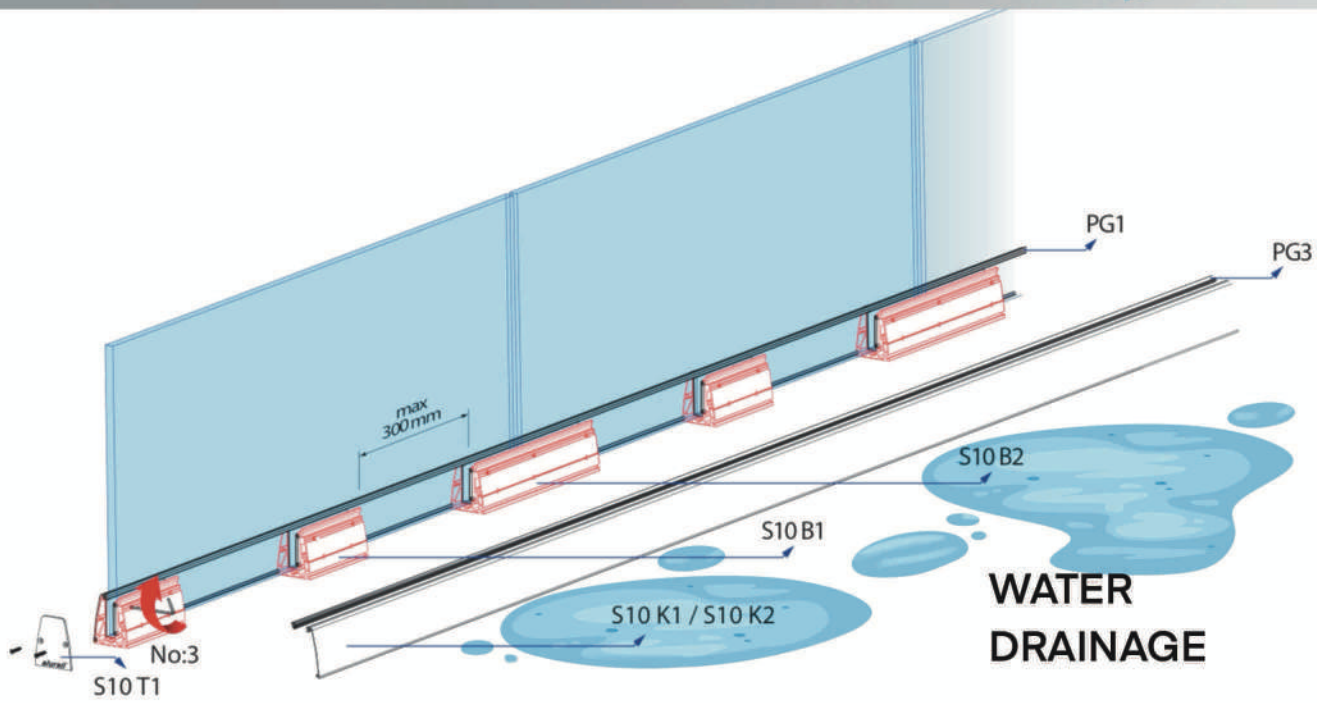


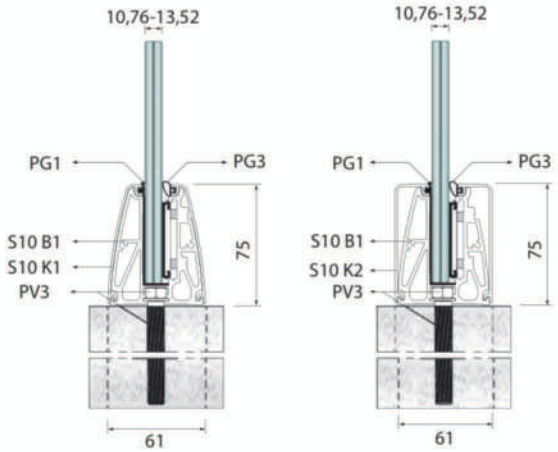
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ISTITUTO GIORDANO

S10

MS GLASS





Elox B. Bronze

Ral 9005

Ral 7016





CE

MS GLASS



XV20E



Panorama XV20 the biggest benefit of using this system is the ability of aligning the glass panels up to ± 2° by fixing a set screw from the internal side. This ability helps a lot in projects where no handrail will be used on top of the glass. The system can be finished with one of the oval and straight cladding profiles upon your choice.

Tested and approved with 2 kN/mt load.

The profile is made 6000mm but size can be adjusted for projects. Profile also can be bended and have water drainage.Thanks to the angle adjustment of the system the installation is a chila's play.

The thickness of the glass must be specified when ordering.

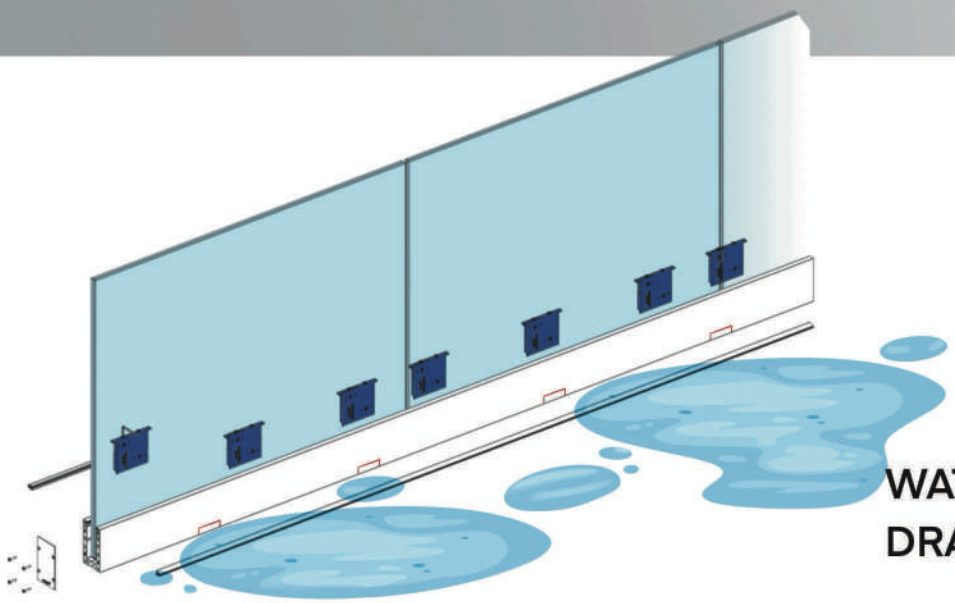


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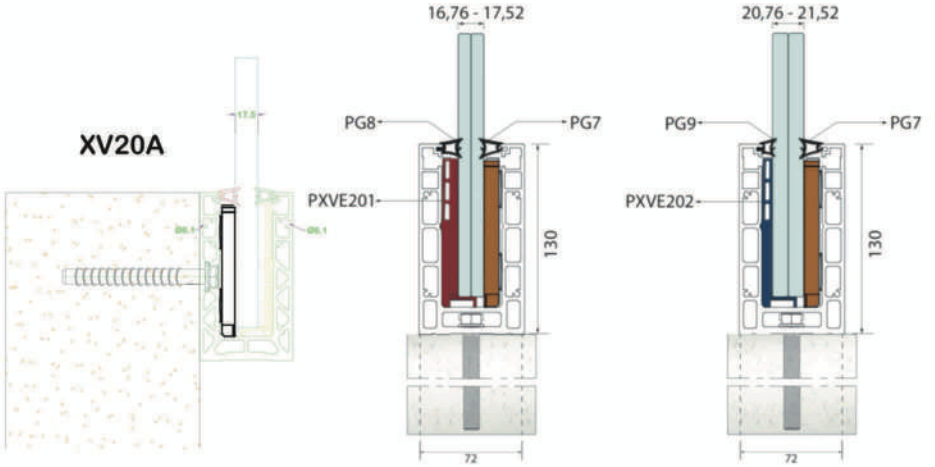
XV20E

MS GLASS



WATER
DRAINAGE

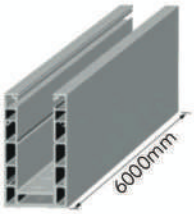
XV20A



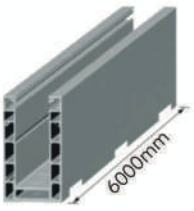
Elox B. Bronze

Ral 9005

Ral 7016



XV20E B3



XV20E B3D



XV20 D1



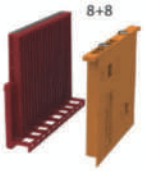
XV20A D1



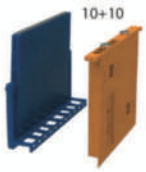
XV20A D2



XV20E D1



PXVE201



PXVE202



XV20E T1



PG*



PG8



PG9



PA3



PA4



XV20E T1



XV20 T2



XV20A B3
SIDE WHOLE



BENDING PROFILE

CE

MS GLASS



X24

Panorama X24 is best solution for different glass sizes and economic solution for full height glass railing. The system can be finished with one of the straight cladding profiles upon your choice.

Tested and approved with 1kN/mt load.

The profile is made 6000mm but size can be adjusted for projects. Profile also can have water drainage.

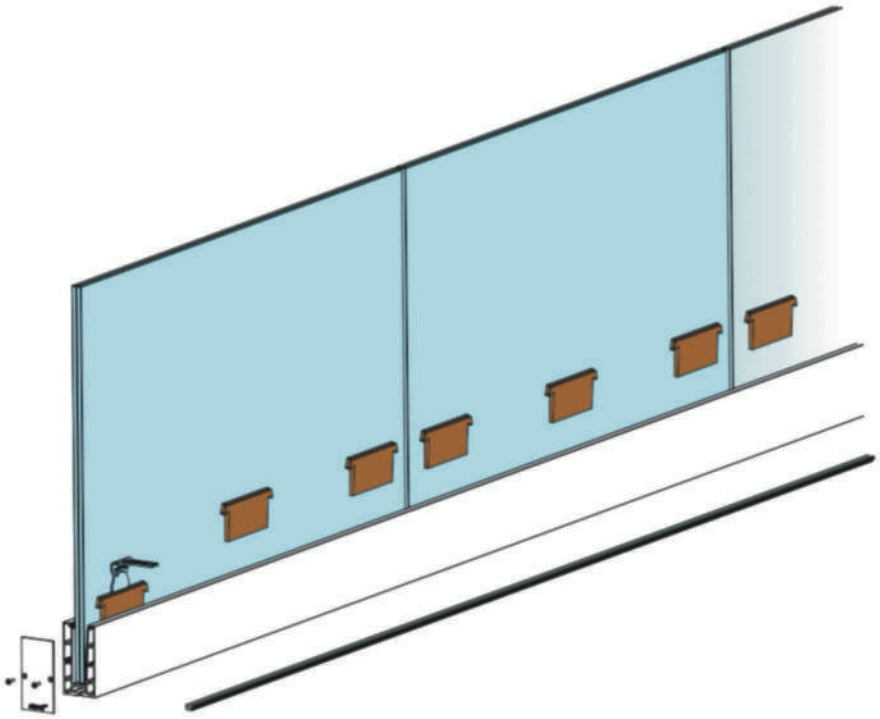
The thickness of the glass must be specified when ordering. Optionally from 12 mm to 21,52 mm

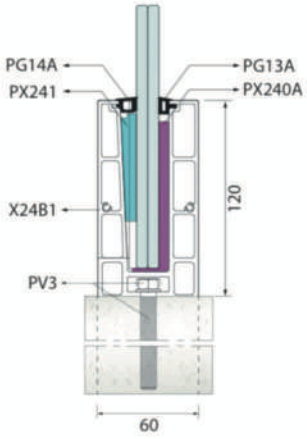


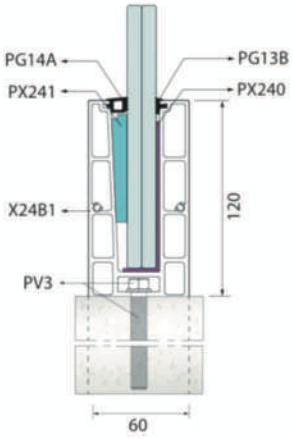


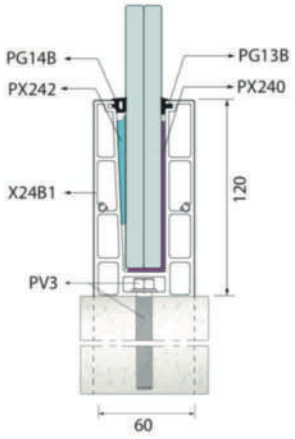
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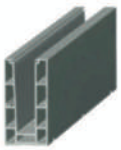









X24 B3


X24 B3D


PX240


PX240A


PX241

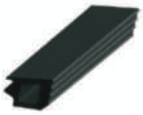

PX242


X24 T1


X24 T1A


PG13A


PG13B


PG14A

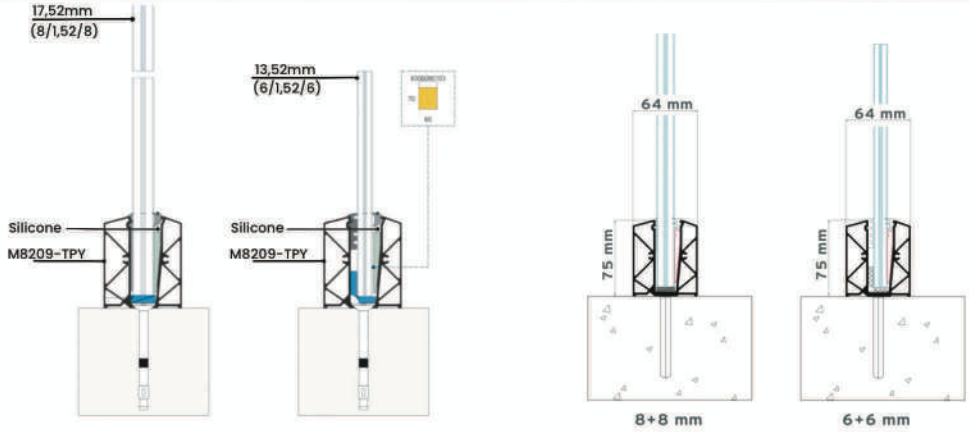

PG14B


PA1


PA4

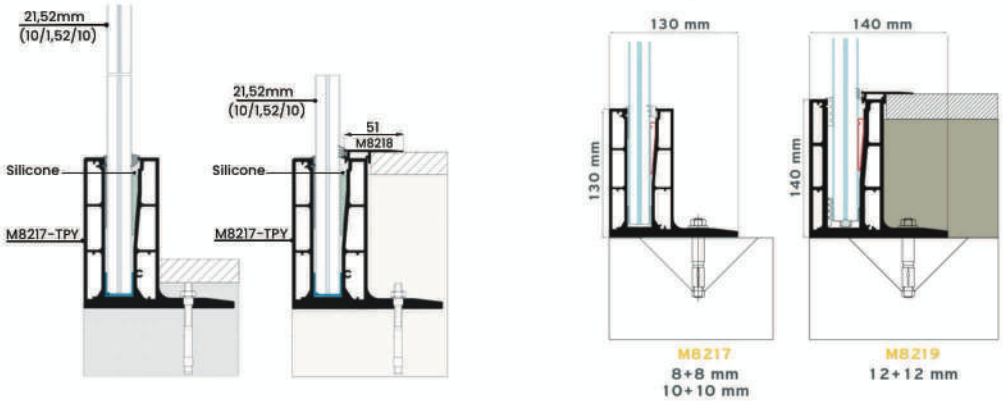
CONTINENTAL 82 SERIES PROFILES

MS GLASS



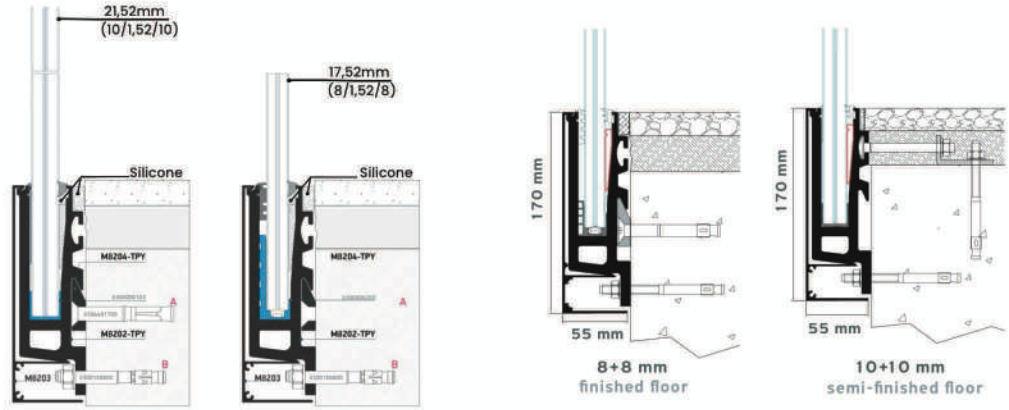
8209 PROFILE

Best for parapet wall, up to 65cm glass height



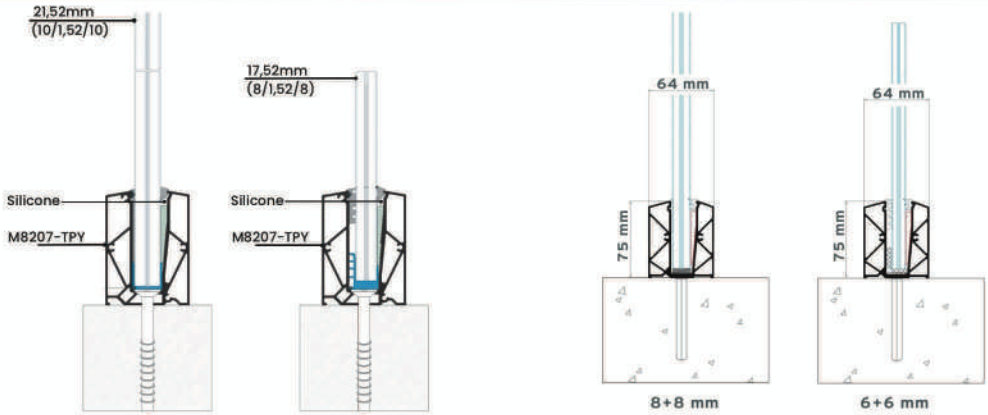
8217 PROFILE

"F" profile, up to 120 glass height



8202 PROFILE

"y" profile, best for side wall installation up to 120 glass height



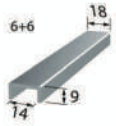
8207 PROFILE

profile up to 100 glass height, 110 with handrail

HANDRAILS AND ACCESSORIES

MS GLASS

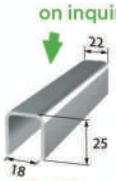
PU MINI HANDRAILS



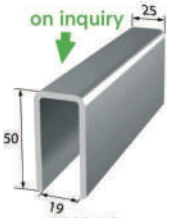
PU120



PU160



PU161



PU162



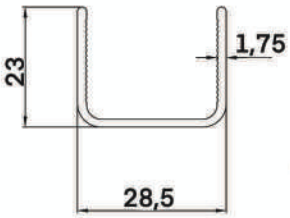
PU200

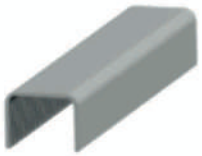
Elox B. Bronze
Ral 9005
Ral 7016



Pu120d
Pu160d
Pu200d

20X25 HANDRAIL WITH WICK




PK321X

Elox B. Bronze
Ral 9005
Ral 7016


PF 321x


PD 321x


PA 321x


PT 321x



- Side glass to handrail connector
- Fi 5 pipe
- Endcup for fi5


M6
M8
M10
M12


300ml gun


410ml gun


M14 threaded rod with M8 countersunk screw



CHEMICAL ANCHOR EPOXY:

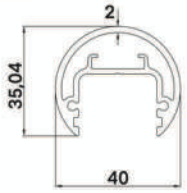
300ml

400ml

HANDRAILS AND ACCESSORIES

MS GLASS

FI 40 HANDRAIL WITH WICK





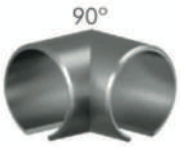
PK400XE

Elox B. Bronze

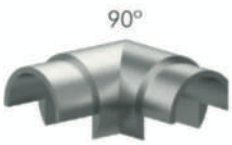
Ral 7016



PF 400X



PD 400X



PD 406X

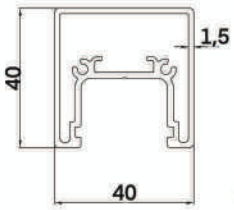


PB 406X



PT 400X

40x40 HANDRAIL WITH WICK

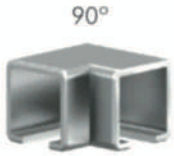




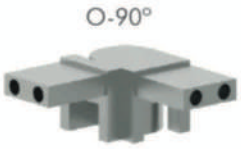
PK410X

Elox B. Bronze

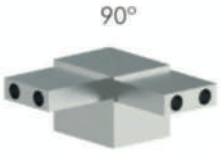
Ral 7016



PD 410X



PD 415X



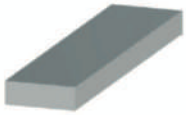
PD 416X



PF 410X



PT 410X



PA 410X

WICKS



PG12X



PG16



PG20

GLASS ALIGNERS FOR 8+8 GLASS



PC161



PC162



PC163

ALUMINIUM MADE, STAINLES STEEL ON INQUIRY

CE

GLASS SPIGOTS

MS GLASS





GLASS SPIGOTS

MS GLASS

SPIDER FITTING



- Fi 50 M12 distance 30

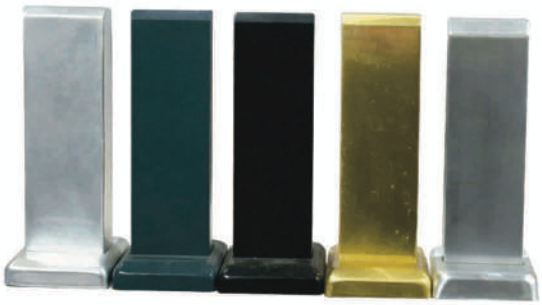
- Fi 40 M12 distance 30

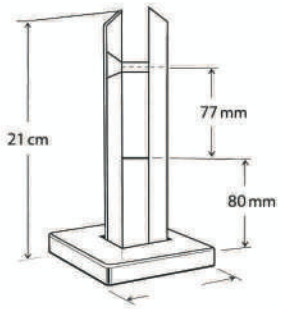
- On inquiry
  Fi40 to Fi 60;
  M8 to M14;
  distance from
  10 to 60mm



-Adjustable fi50 spider
(distance from 32 to 42mm)

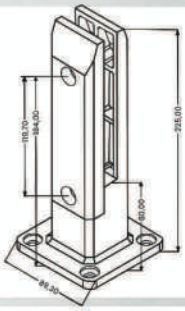
T SPIGOTS FOR GLASS

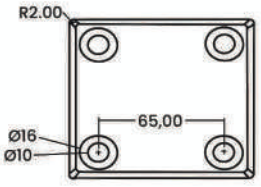




- Aluminium spigots with hole for glass from 12 to 17mm up to 100cm height

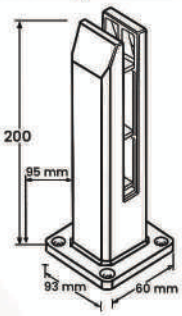






-Inox spigots with hole for glass from 12 to 17mm up to 120cm height





-Inox spigots NO hole for glass from 12 to 17mm up to 110 height

GLASS SPIGOTS

MS GLASS

ALUMINIUM GLASS CLAMPS



Clamp for 8-10mm glass

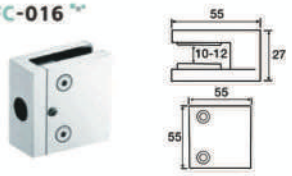


Clamp for 5+5, 6+6, 8+8
On inquiry all colors



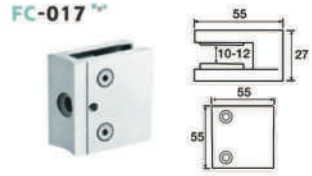
INOX GLASS CLAMPS
(all models on inquiry)

FC-016



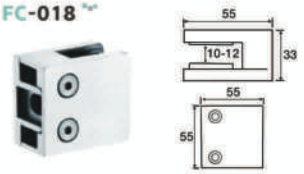
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-017



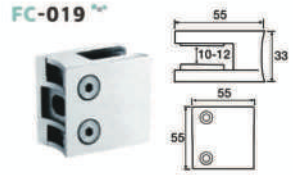
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-018



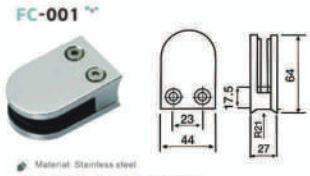
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-019



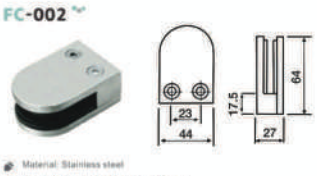
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-001



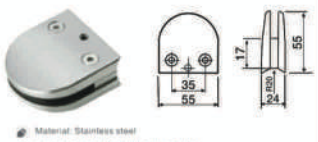
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-002



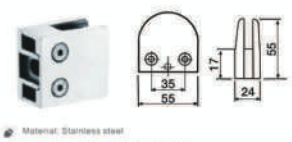
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-003



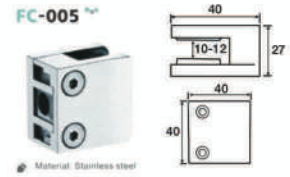
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-004



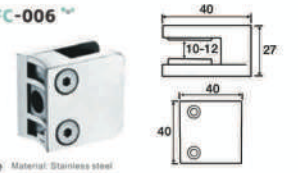
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-005



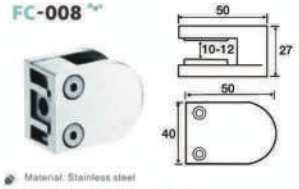
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-006



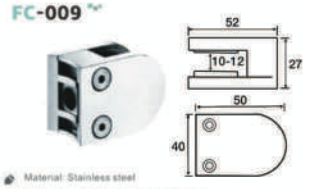
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-008



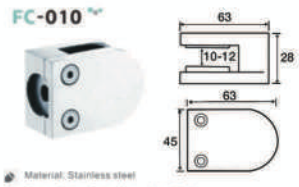
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-009



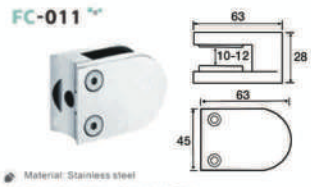
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-010



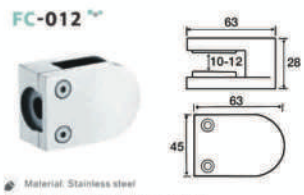
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-011



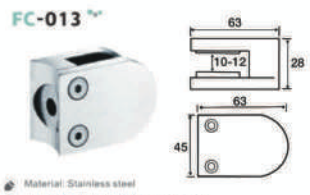
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-012



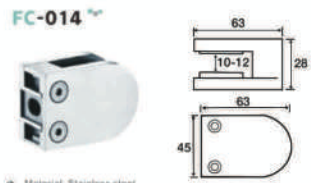
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-013



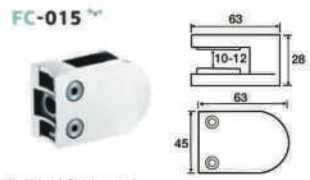
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-014



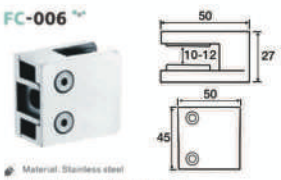
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-015



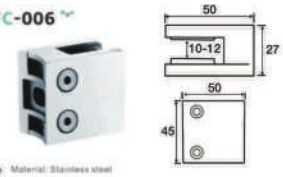
Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

FC-006



Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

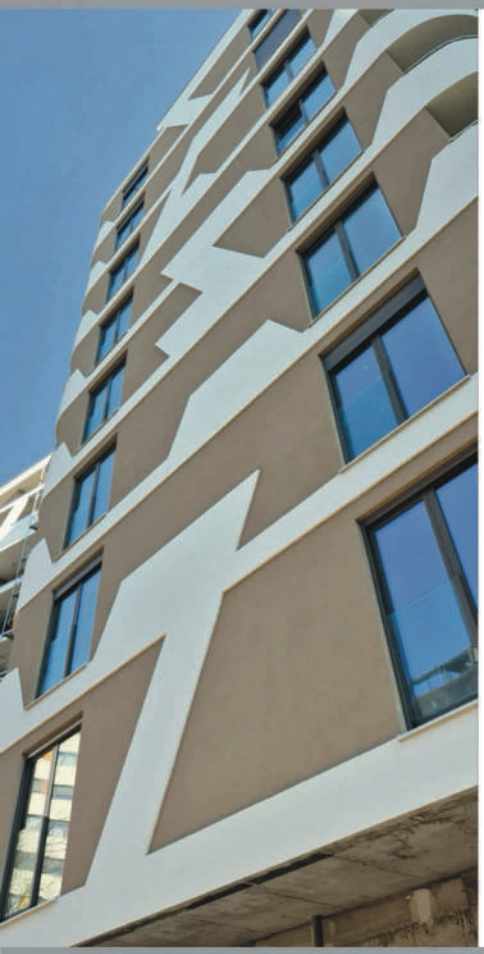
FC-006

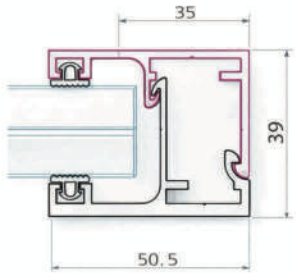


Material: Stainless steel
Finish: Polish,Satin,Matte black,Golden

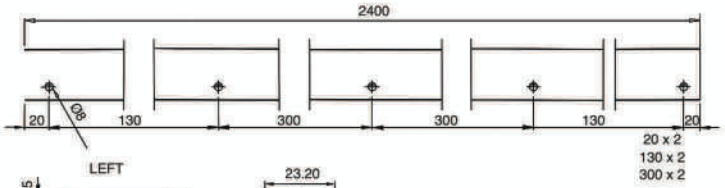
FRENCH BALCONY SYSTEM

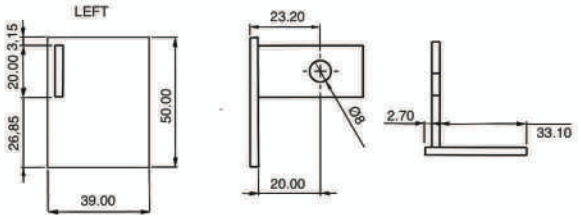
MS GLASS

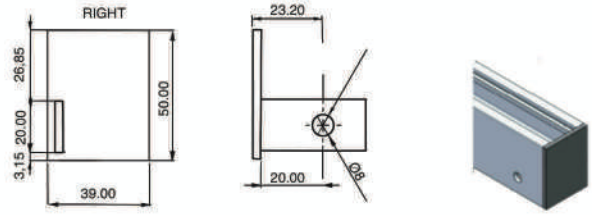




This system optinally for 662 (wide 120cm), 882 (wide 140cm), 10.10.3 (wide 160cm)







Elox B. Bronze

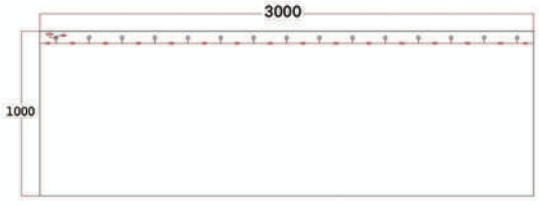
Ral 9005

Ral 7016

GLASS CANOPY

PROFILE CANOPY SYSTEM FOR 883 GLASS





OPTIONALLY SIZES 1,5m, 2m and 3m

ROD GLASS CABOPY SYSREM





FC 201 WALL GLASS



FC 202 GLASS ROD



FC 203 WALL ROD



1m ROD

Table B3: Minimum curing time

Concrete temperature [°C]	working time [min]	minimum curing time [min]
0 to +4	45	180
+5 to +9	25	120
+10 to +14	20	100
+15 to +19	15	80
+20 to +29	6	45
+30 to +34	4	25
+35 to +39	2	20
Cartridge temperature	**+5°C to +40°C**	

Areas of Application

Suitable for the fixation of facades, roofs, wood construction, metal construction profiles, console, railing, sanitary devices, cable trays, piping, etc.

1. Underground: Non-cracked concrete, light-concrete, porous-concrete, solid masonry, hollow brick, natural stone (check for discoloration beforehand), hammer drilled holes
2. Anchor elements: Threaded rods (zinc plated or hot dip), stainless steel and high corrosion resistance steel, reinforcing bars, internal threaded rods, profiled rod, steel section with undercuts (e.g. perforated section)
3. Temperature range: +5°C to +35°C installation temperature, optimal +20°C. After curing: -40°C to +80°C
4. Attaching and sealing of skirting boards, steps, doorsteps, protective profiles, fixing of covers, prefab elements
5. Railing and spout attachments



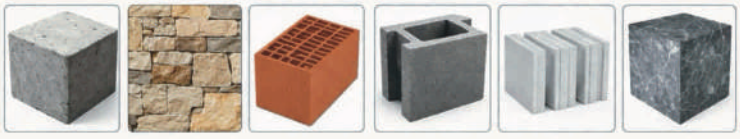
Threaded Rod Diameters and Numbers

THREADED ROD	THREADED ROD DIAMETER (mm)	BORE HOLE DIAMETER (mm)	BRUSH (mm)	NUMBER OF BORE HOLES		
				MEMOCHEM 300 ML	MEMOCHEM 345 ML	MEMOCHEM 410 ML
M8	8	10	80	67	78	94
M10	10	12	90	41	48	58
M12	12	14	110	24	29	34
M16	16	18	125	13	15	18
M20	20	24	175	5	6	7
M24	24	28	210	3	3	4

Drying and Curing Time

TEMPERATURE OF BASE MATERIAL	GELING AND WORKING TIME	FULL CURING TIME IN BASE MATERIAL
+5 C°	25 min	120 min
+10 C°	15 min	80 min
+20 C°	6 min	45 min
+30 C°	4 min	25 min
+35 C°	2 min	20 min

CHEMICAL ANCHOR USAGE AREAS



CONCRETE | NATURAL STONE | BRICK | BLOCK BRICK | PREC. WALL BLOCKS | MARBLE

PACKAGING	SHELF LIFE	BOX	PALLET
300 ml	12 month	12 pcs.	96 box
345 ml	18 month	12 pcs.	96 box
410 ml	18 month	12 pcs.	70 box

