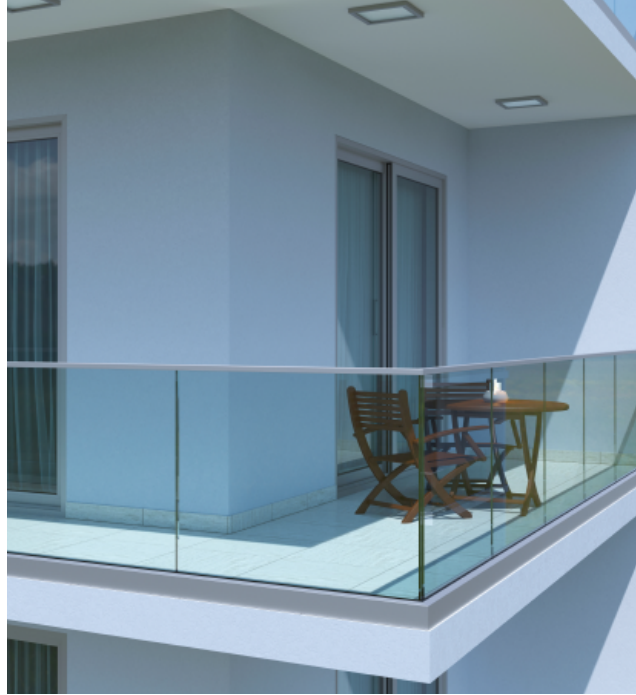




SMART BASE GLASS RAIL SYSTEMS

www.arfenaluminum.com.tr



Fast And
Safe Application

Less Stock

Economic And
Flexible Solution





Arfen Köprü Yapı Teknolojileri / İZMİT



Arfen İnşaat Yapı Teknolojileri / İSTANBUL



Arfen Alüminyum A.Ş. / TEKİRDAĞ

As ARFEN, We've started our journey since 1999. We have three manufacturing factories over two continents in total of 25000 m² closed area. We produce construction Expansion Joint Profiles, Bridge Expansion Joint Profiles, Wall and Corner Protection Systems, Decoration Profiles and Entrance Mat Systems for our country and the world. ARFEN is able to meet the World standards and requirements of the sector. We are keen and eager on continuously developing and growing with our valuable business partners.

Superior Wind Load Performance

Architecturally Compatible Aesthetic Design

Designed for Your Safety, Engineered for Durability



smart system

by side and upper adjustable way

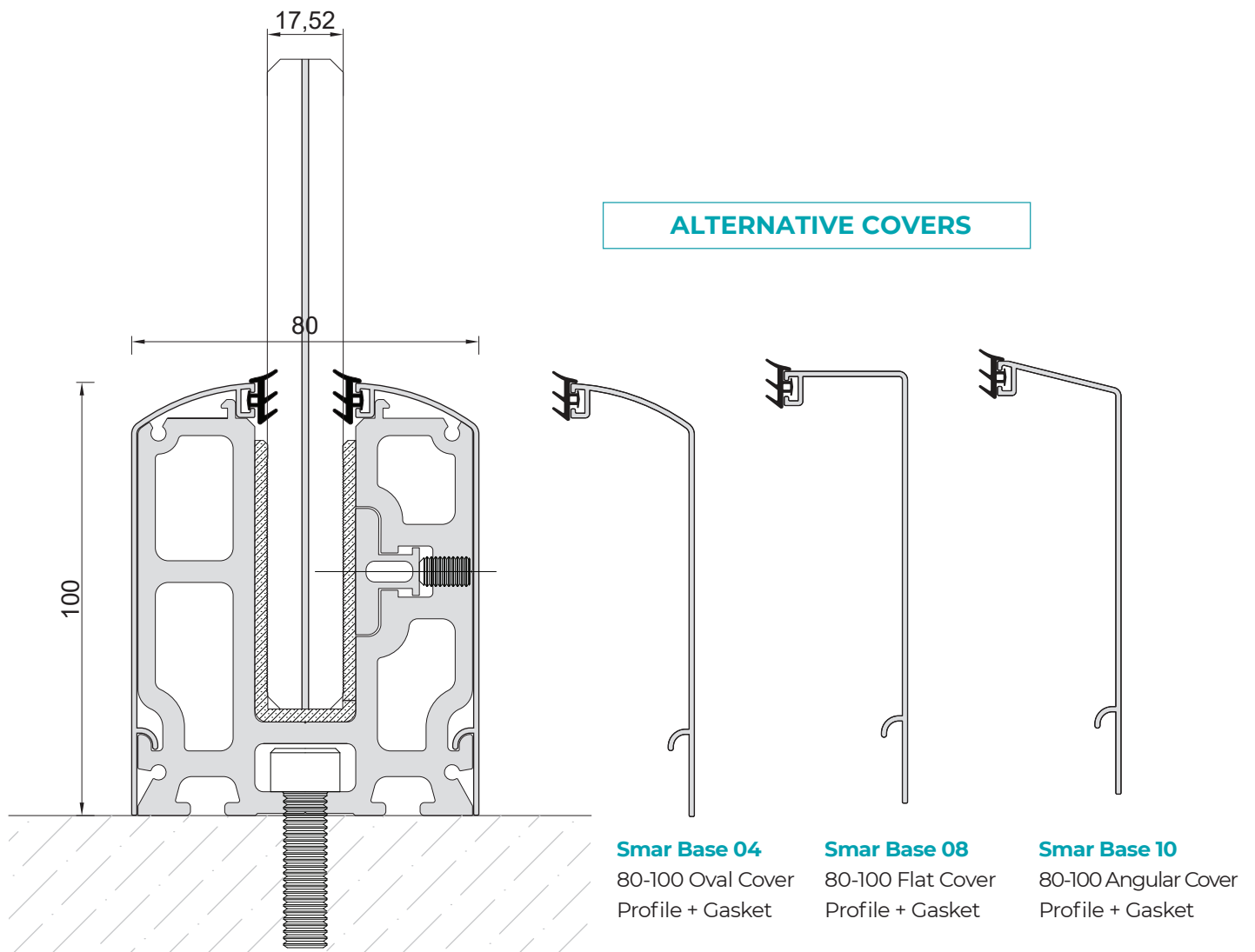


With the Finite Element Analysis (FEA) method, the suitability of the system and the base profiles is checked with the calculations made using the latest software technologies. Since only the analysis of the base profile is insufficient to obtain accurate results, the entire system is modeled and simulated..

In this regard, calculations are made according to the loads and usage classes stipulated in the BS6399 standard, which is the most accepted in the international arena. While checking the conformity of the displacements in the system to the standard, the stress analysis of the plinth profiles is also checked. When necessary, specific simulations and analyzes can be made for special

SMART BASE 80-100

GLASS RAIL SYSTEM 8 mm + PVB + 8 mm

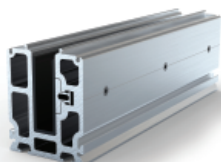


Smart Base 80-100, is suitable for 8 mm+pvb+8 mm glass rail Systems which has 80 mm width and 100 mm height. It can be easily mounted with the adjusting screw and tightening profile on the side and also if necessary, it can also be made top-mounted on the same carrier base. This detail is the most important feature that makes the system superior. It provides different decorative needs with three different alternative cover profiles. Alternative upper handle profiles can be used optionally.

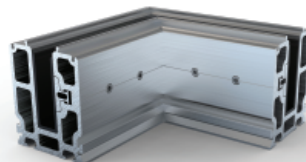
ACCESSORIES



Smart Base 01
15 cm Base



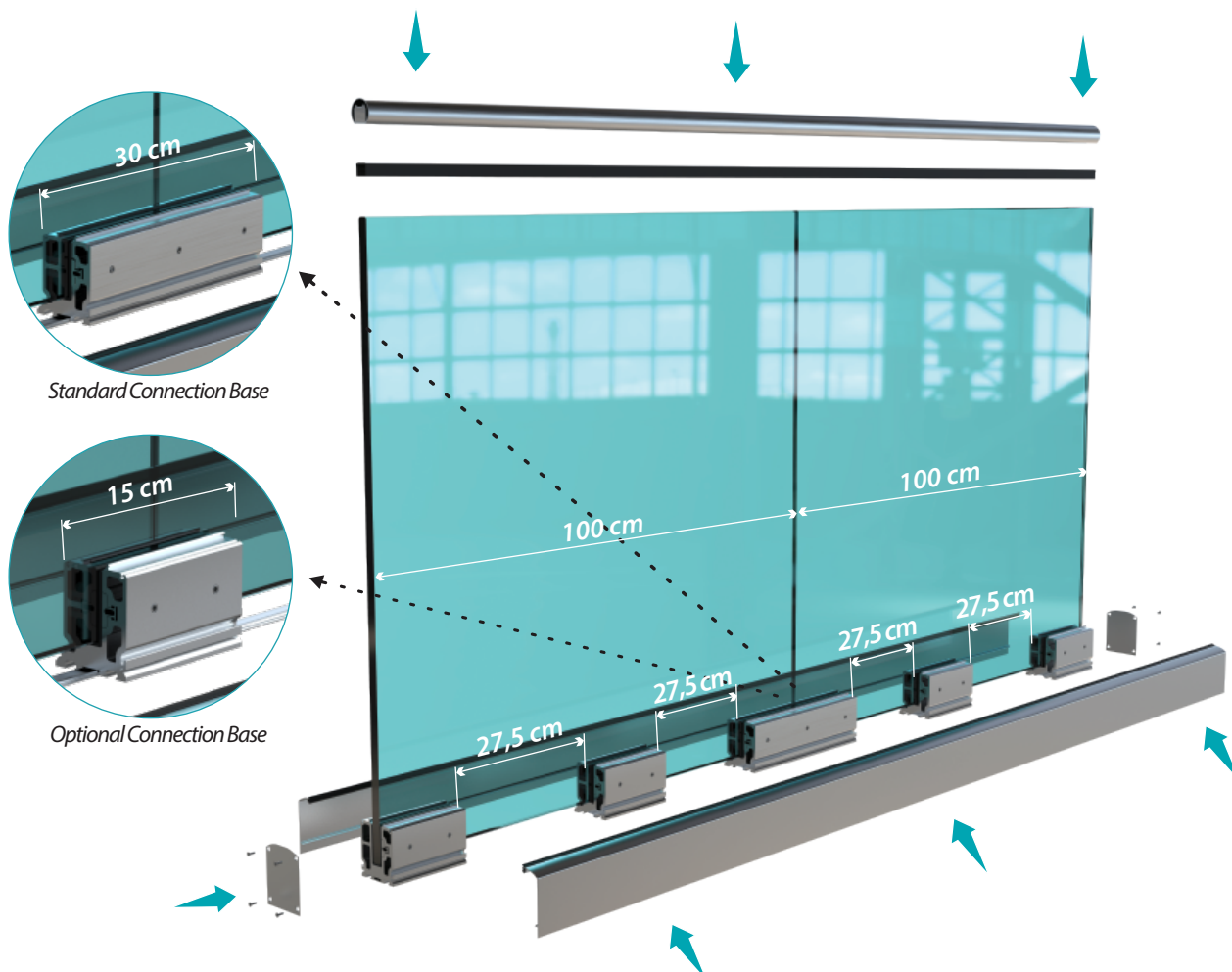
Smart Base 02
30 cm Base



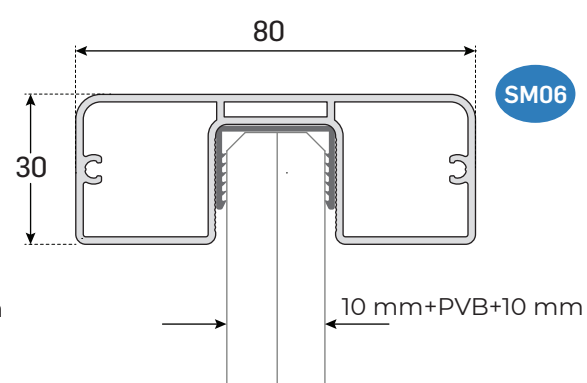
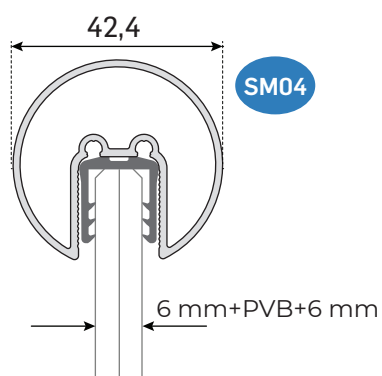
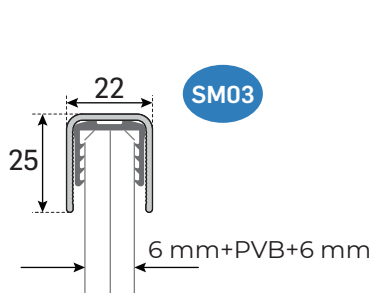
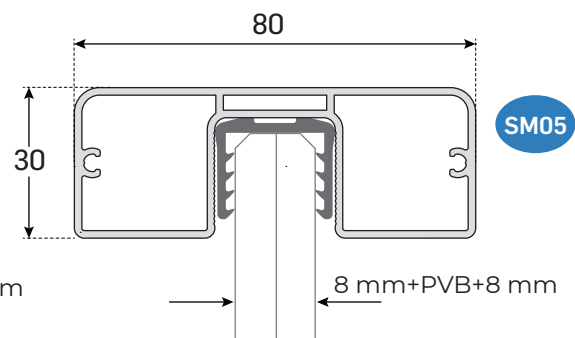
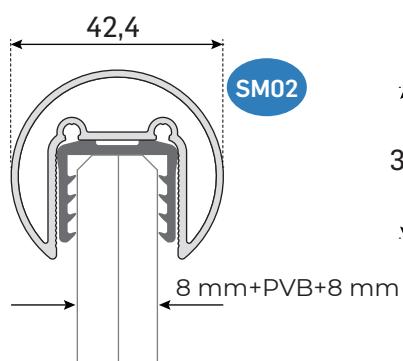
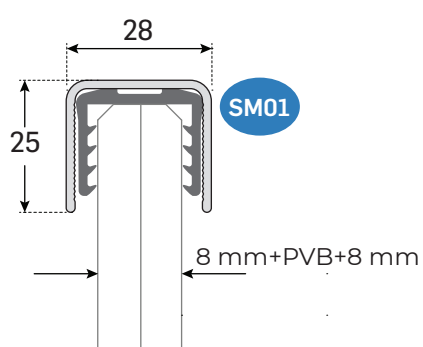
Smart Base 03
15 cm x 15 cm
Corner Base



Smart Base 05-09-11
Cover End Cap



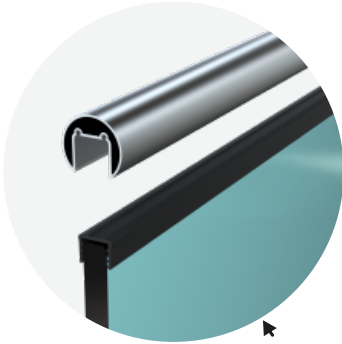
ALTERNATIVE HANDRAILS



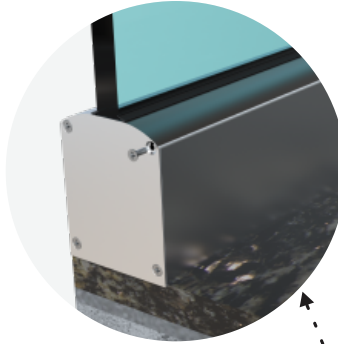
These are the handle types used for all glass thicknesses used in this catalogue.

INSTALLATION METHODS

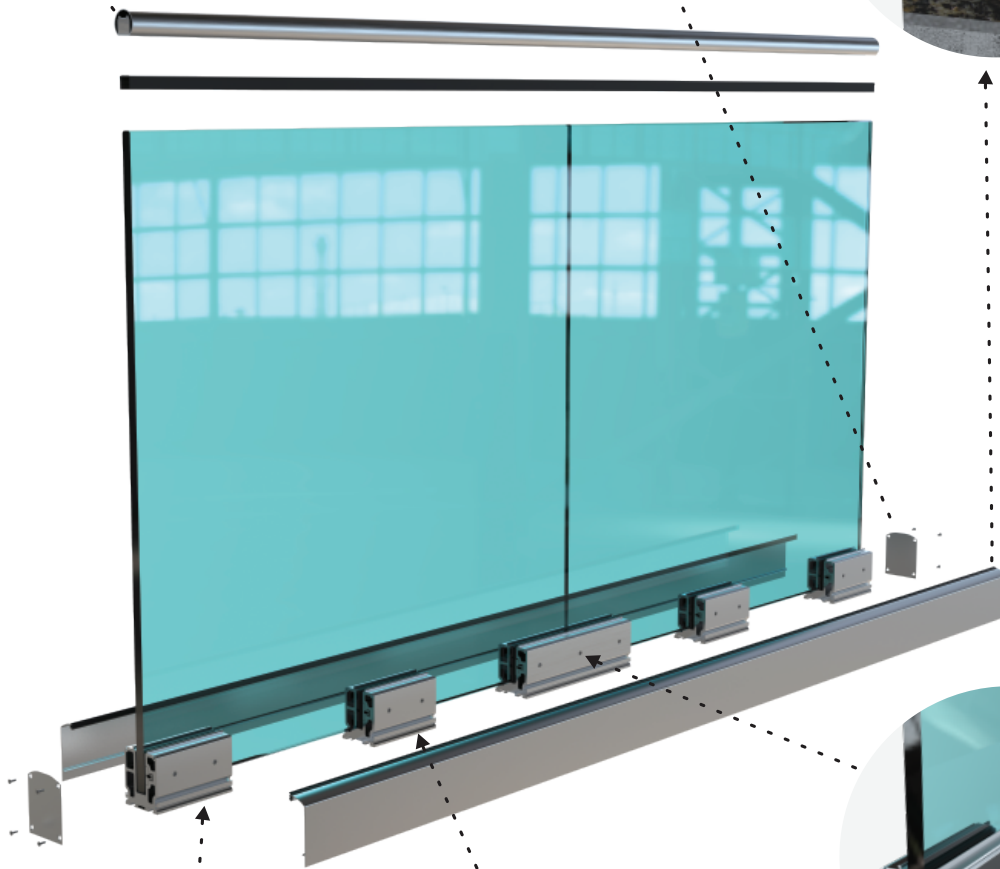
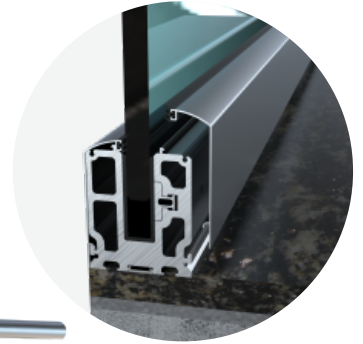
- 6 Depending on preference, the appropriate handrail profile and gasket for the upper edge of the glass are securely fixed or sealed with silicone.



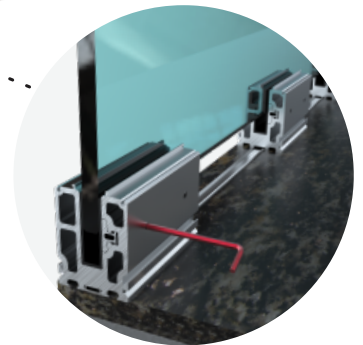
- 5 If applicable, an end cap fitting is screwed onto the termination areas.



- 4 Side covers, along with their gaskets, are installed by pressing them downward from top to bottom.



- 3 Glass panels of appropriate thickness are leveled and installed, then secured with Setskur screws.



- 1 Support bases are securely anchored to the floor at appropriate intervals using suitable fasteners. (Consult the manufacturer for detailed information.)

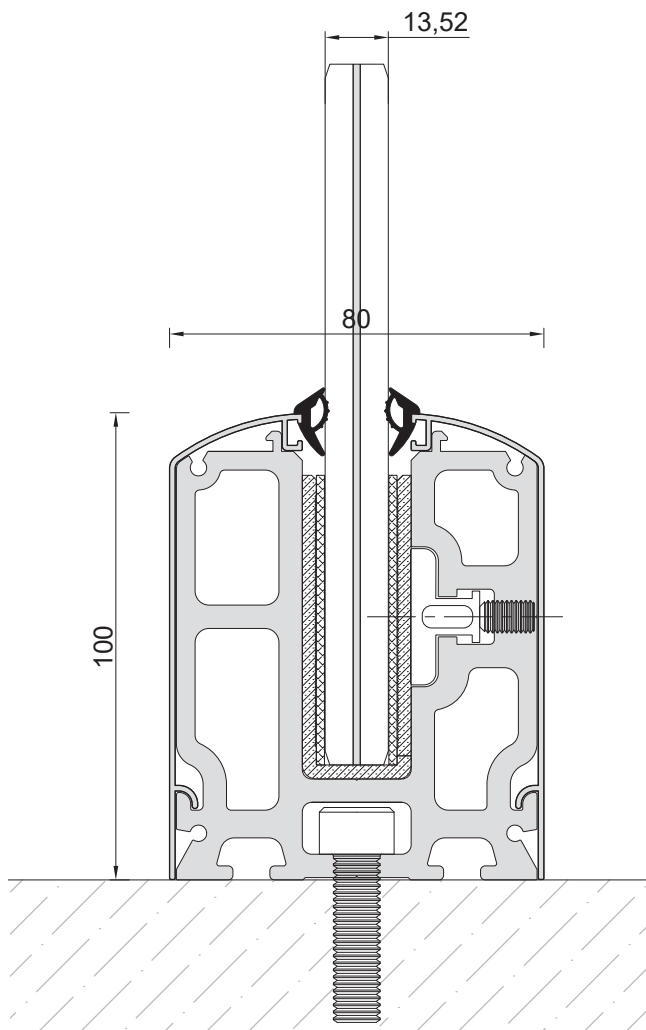


- 2 Plastic spacers are positioned onto the support bases.



SMART BASE 80-100A

GLASS RAIL SYSTEMS 6 mm + PVB + 6 mm



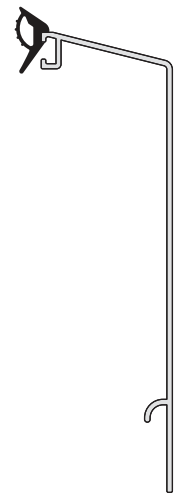
COVER ALTERNATIVES



Smart Base 04A
80-100A Oval Cover
Profile + Gasket



Smart Base 08A
80-100A Flat Cover
Profile + Gasket

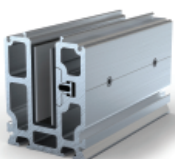


Smart Base 10A
80-100A Angular
Cover Profile+Gasket

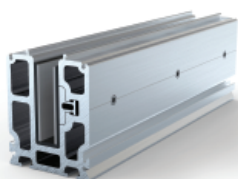
Important note: The cover profile is attached first, then the gasket, by pressing.

Smart Base 80-100A, is suitable for 6 mm+pvb+6 mm glass rail Systems which has 80 mm width and 100 mm height. It can be easily mounted with the adjusting screw and tightening profile on the side and also if necessary, it can also be made top-mounted on the same carrier base. This detail is the most important feature that makes the system superior. It provides different decorative needs with three different alternative cover profiles. Alternative upper handle profiles can be used optionally.

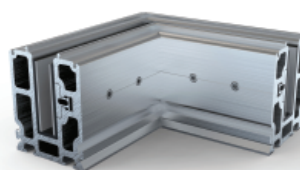
ACCESSORIES



Smart Base 01A
15 cm Base



Smart Base 02A
30 cm Base



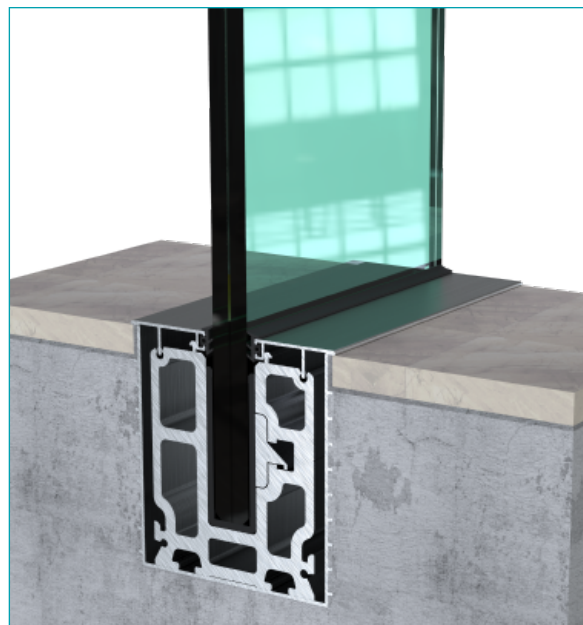
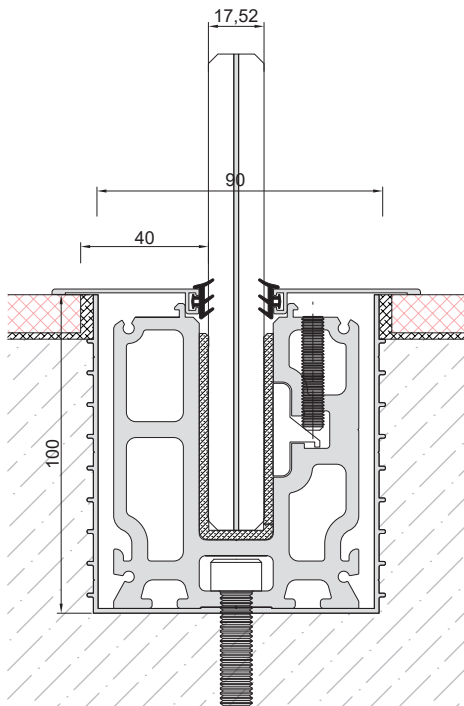
Smart Base 03A
15 cm x 15 cm
Corner Base



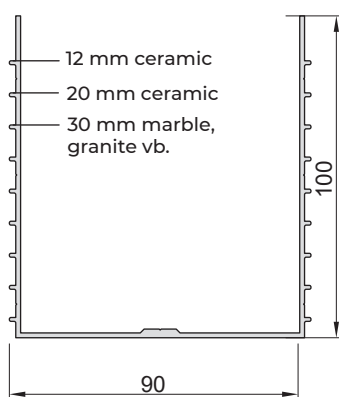
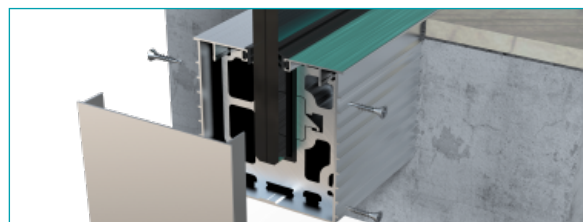
Smart Base 05-09-11
Cover End Cap

SMART BASE 80-100 B

RECESSED TYPE / SYSTEM DETAIL-1 8 mm + PVB + 8 mm



Smart Base 80-100 B System adjustable from above surface. This is the biggest feature and advantage of this system. No need for extra stock. Only the assembly form and mechanical processes are different.



Smart Base 28
Channel Profile



Smart Base 29
Channel Cover Profile

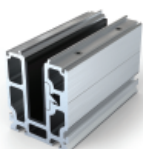


Smart Base 26
Upper Cover Profile+Gasket

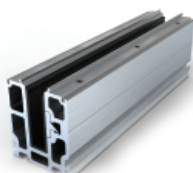


Compatible with all floor coverings

ACCESSORIES



Smart Base 01B
15 cm Above
Adjustable Base



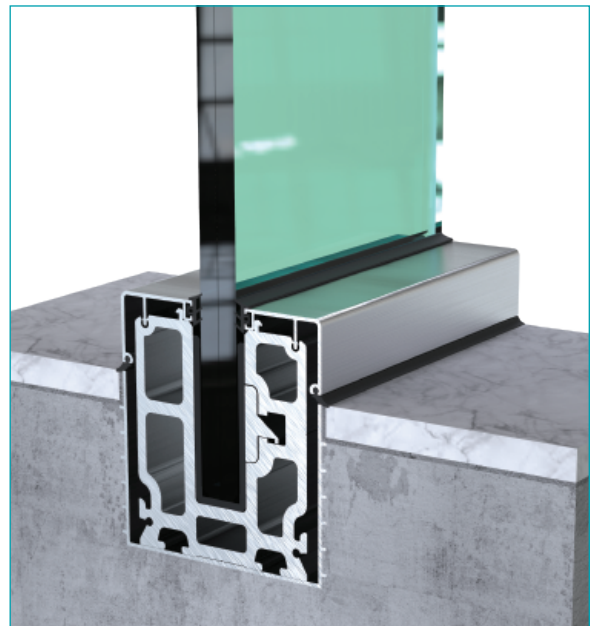
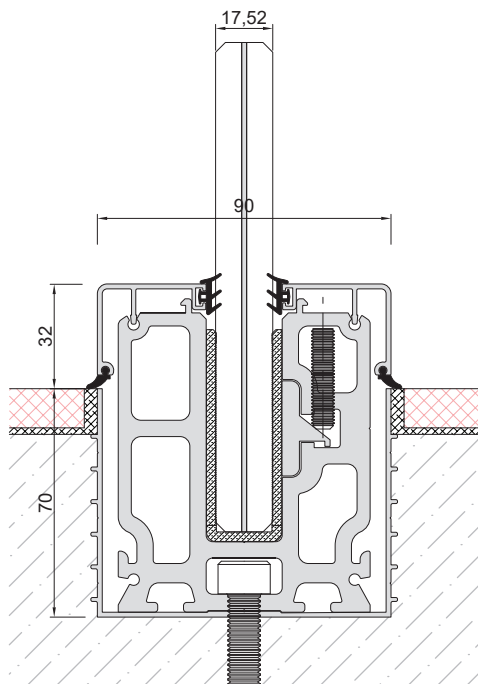
Smart Base 02B
30 cm Above
Adjustable Base



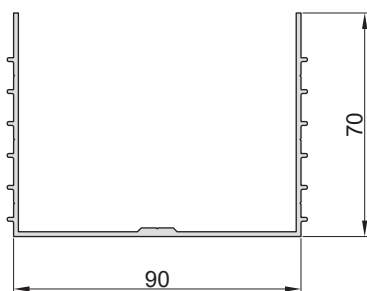
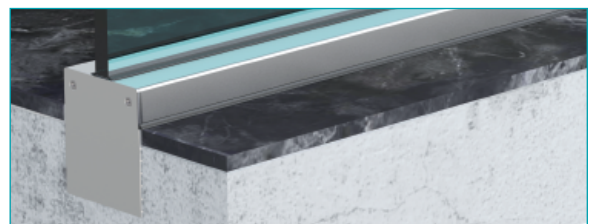
Smart Base 29B
Channel Cover
End Cap

SMART BASE 80-100 C

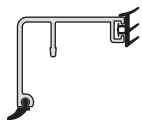
RECESSED TYPE / SYSTEM DETAIL-2 8 mm + PVB + 8 mm



The same system can be used for floor coverings with less height, only by changing the cover and channel profile.



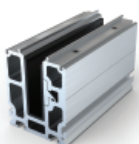
Smart Base 30
Channel Profile



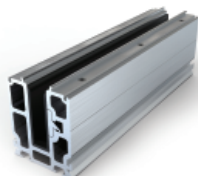
Smart Base 31
Upper Cover Profile+Gasket



ACCESSORIES



Smart Base 01B
15 cm Above Adjustable Base



Smart Base 02B
30 cm Above Adjustable Base



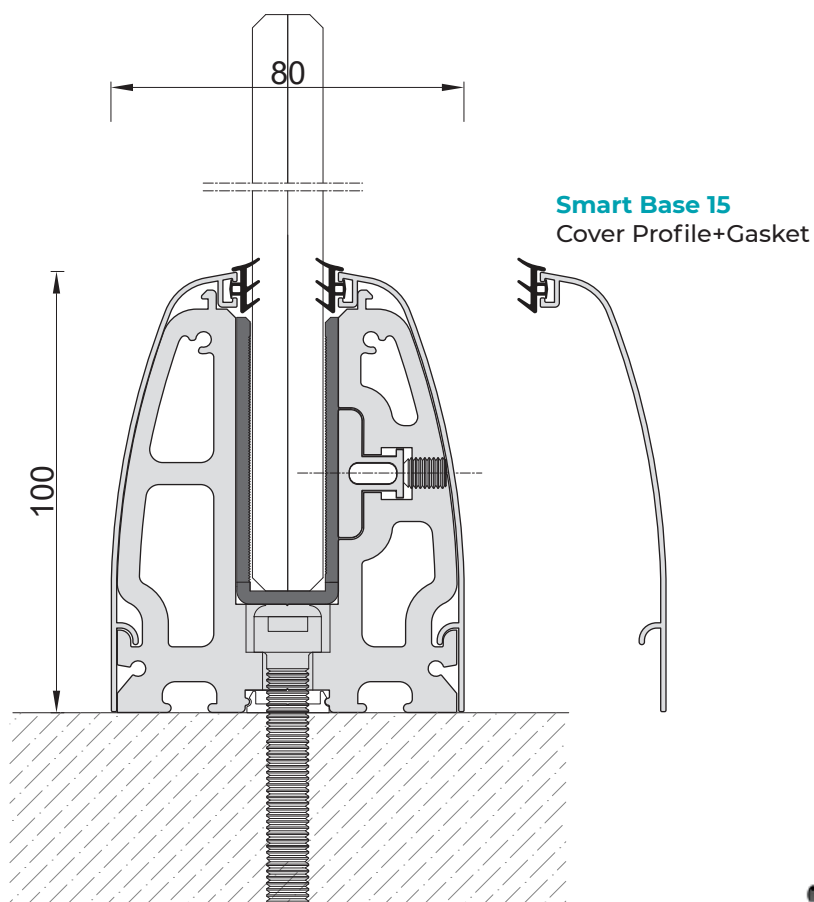
Smart Base 29C
Channel Cover End Cap



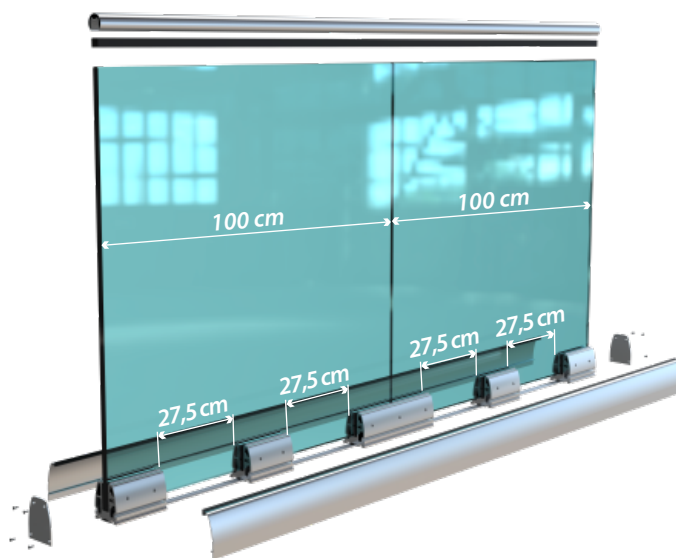
Smart Base 32
Cover End Cap (Small)

SMART BASE K-100

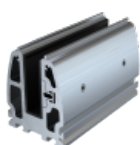
GLASS RAIL SYSTEM 8 mm + PVB + 8 mm



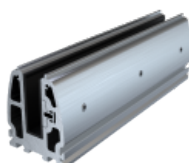
Oval Cover And Oval Base



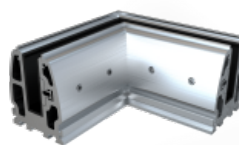
ACCESSORIES



Smart Base 12
15 cm Base



Smart Base 13
30 cm Base



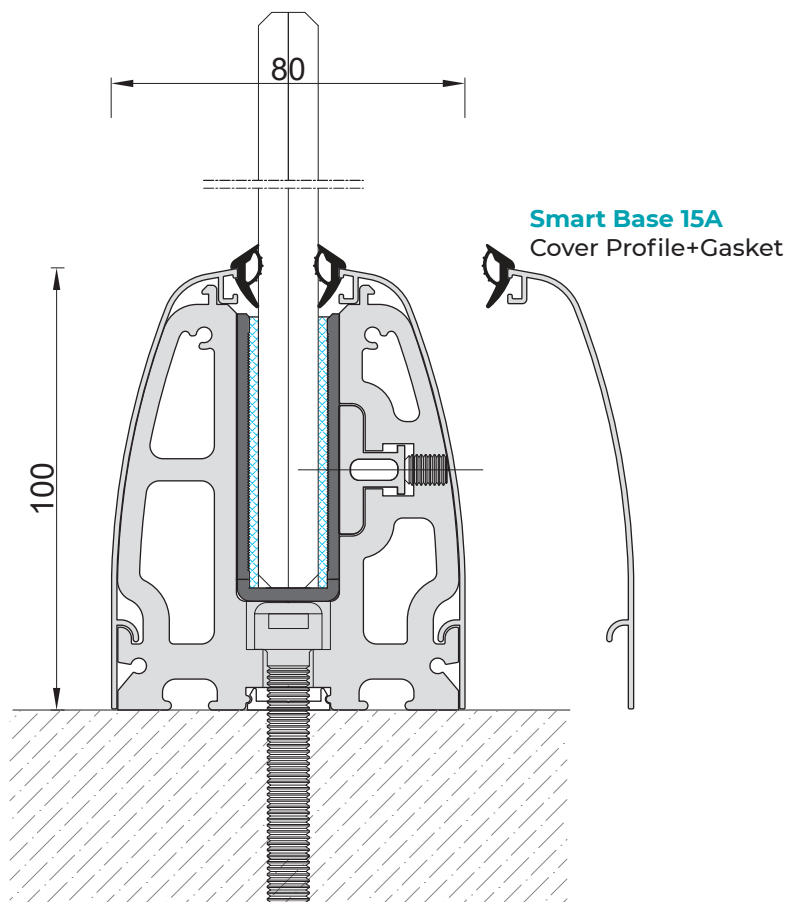
Smart Base 14
15 cm x 15 cm
Corner Base



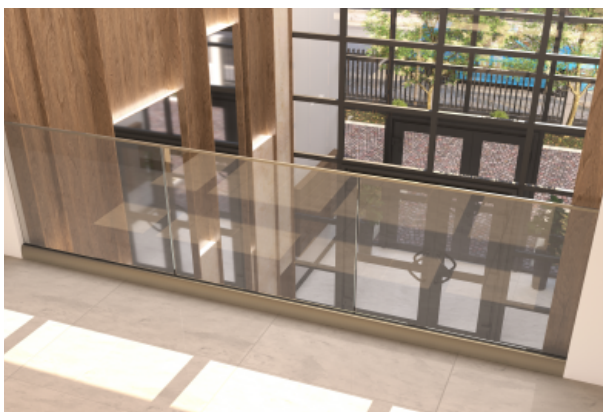
Smart Base 16
Cover End Cap

SMART BASE K-100A

GLASS RAIL SYSTEM 6 mm + PVB + 6 mm



Important note: The cover profile is attached first, then the gasket, by pressing.

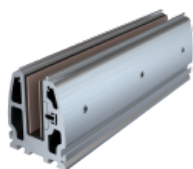


It is used on 6 mm+PVB+6 mm glass by changing only the plastic wedges and cover gasket.

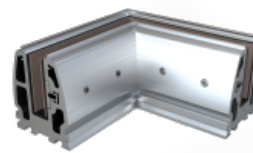
ACCESSORIES



Smart Base 12A
15 cm Base



Smart Base 13A
30 cm Base



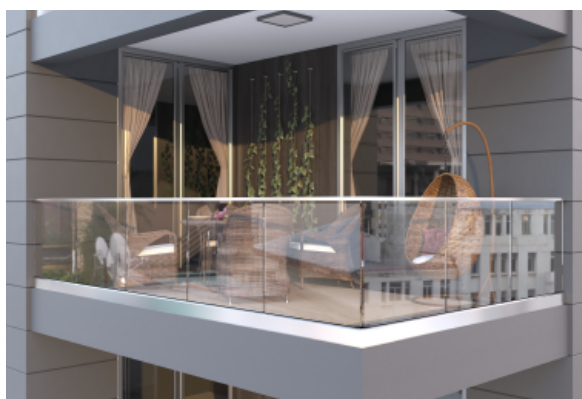
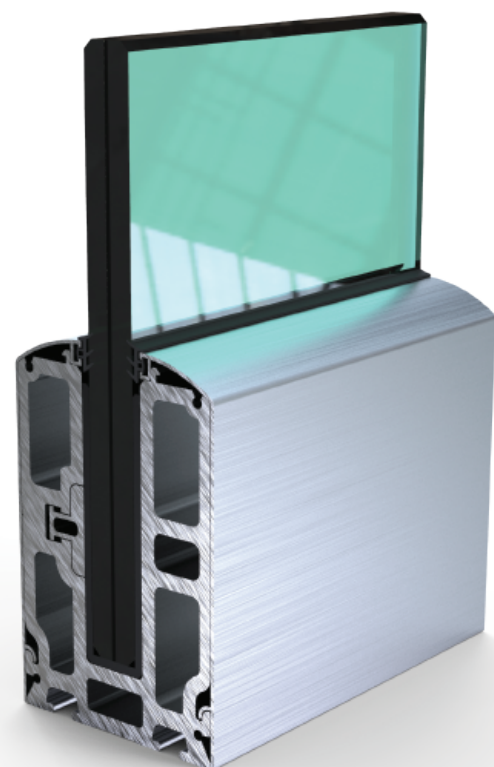
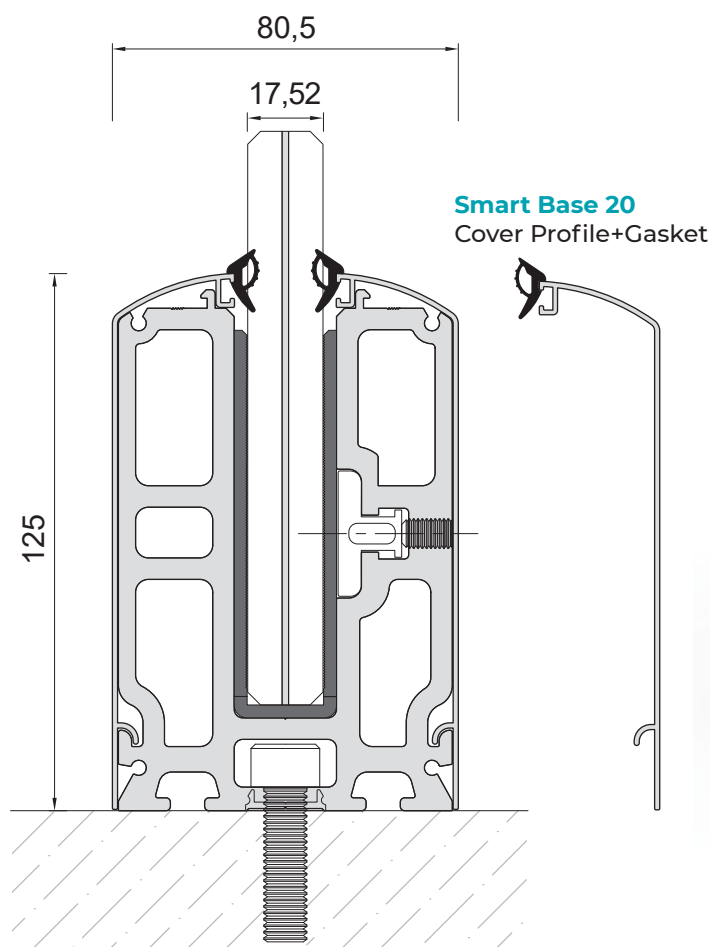
Smart Base 14A
15 cm x 15 cm
Corner Base



Smart Base 16
Cover End Cap

SMART BASE 80-125

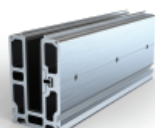
GLASS RAIL SYSTEM 8 mm + PVB + 8 mm



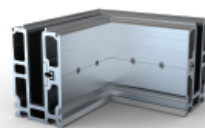
ACCESSORIES



Smart Base 39
15 cm Base



Smart Base 40
30 cm Base



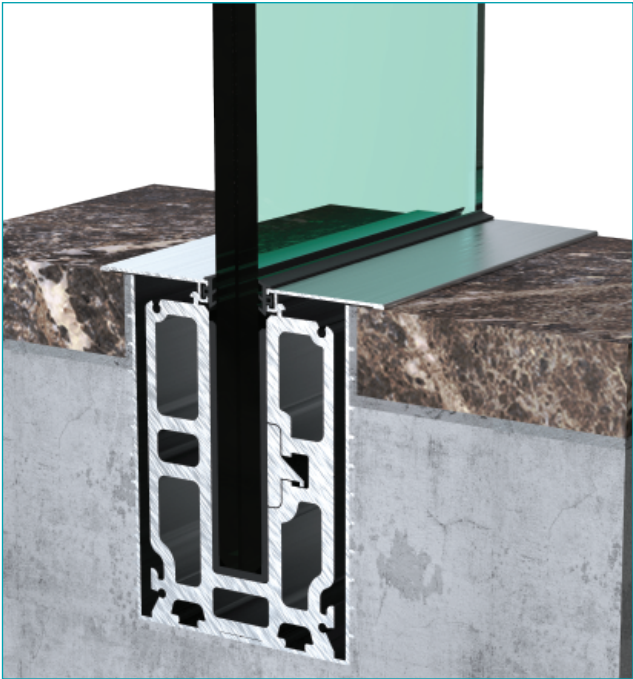
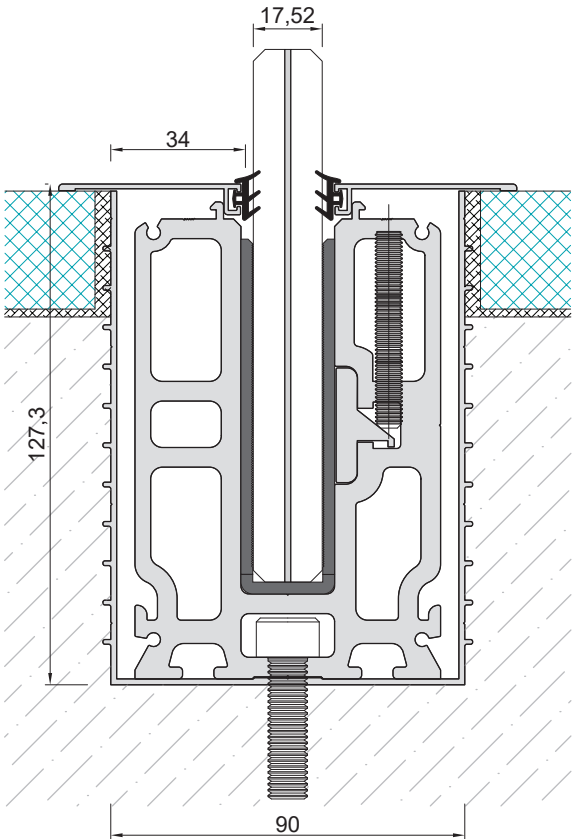
Smart Base 41
15 cm x 15 cm
Corner Base



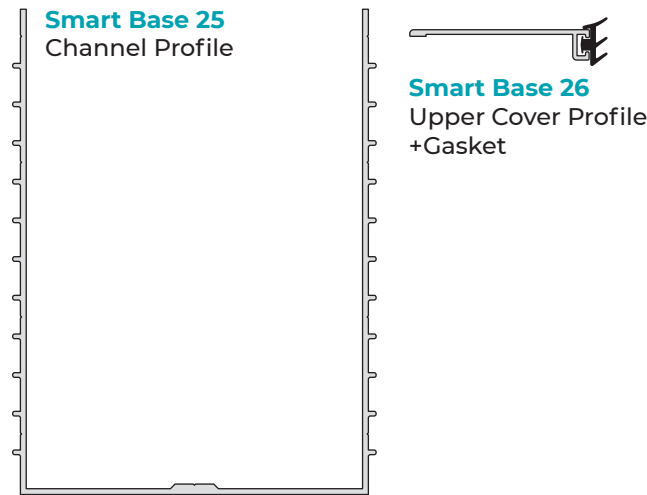
Smart Base 42
Cover End Cap

SMART BASE 80-125B

RECESSED SYSTEM DETAIL 8 mm + PVB + 8 mm



Suitable for higher and thicker glasses in areas with more intensive use, such as shopping malls (Max. 120 cm) (8+pvb+8 ve 10+pvb+10)



ACCESSORIES



Smart Base 39B
15 cm Base



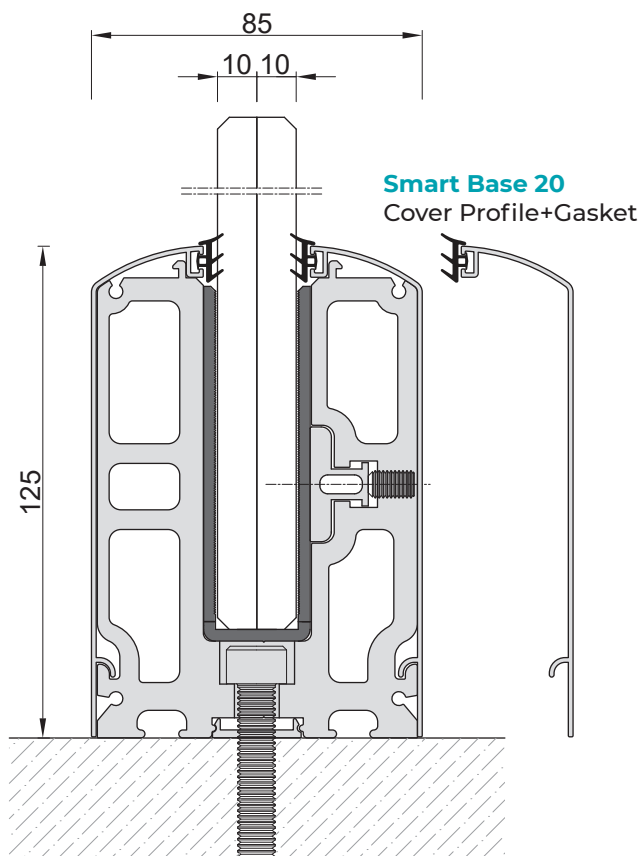
Smart Base 40B
30 cm Base



Smart Base 27
Channel Cover End Cap

SMART BASE 85-125

GLASS RAIL SYSTEM 10 mm + PVB + 10 mm



ACCESSORIES



Smart Base 21
Cover End Cap



Smart Base 22
15 cm Base



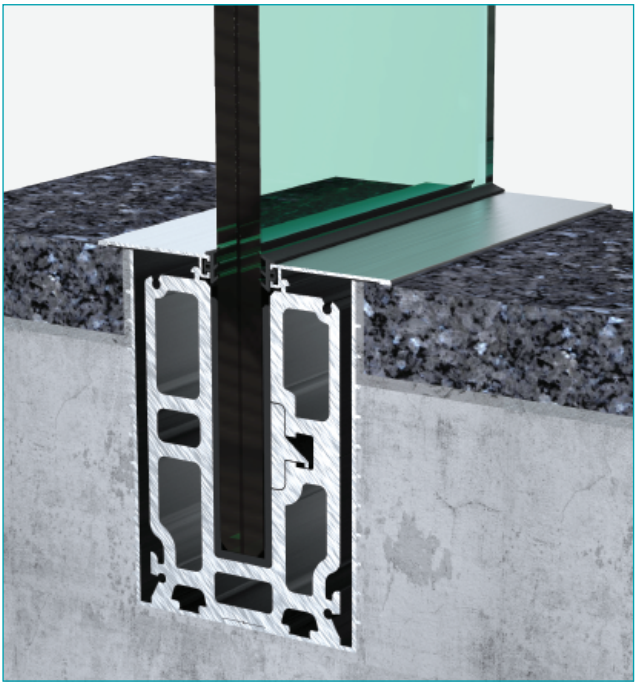
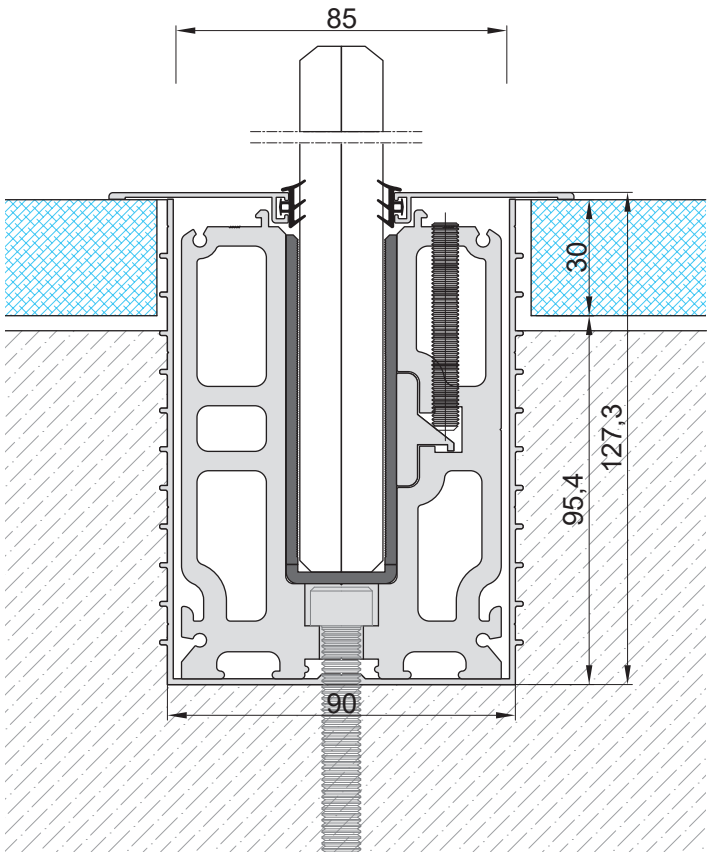
Smart Base 23
30 cm Base



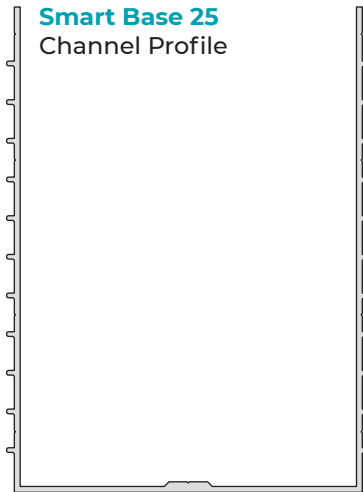
Smart Base 24
15 cm x 15 cm
Corner Base

SMART BASE 85-125B

RECESSED SYSTEM DETAIL 10 mm + PVB + 10 mm



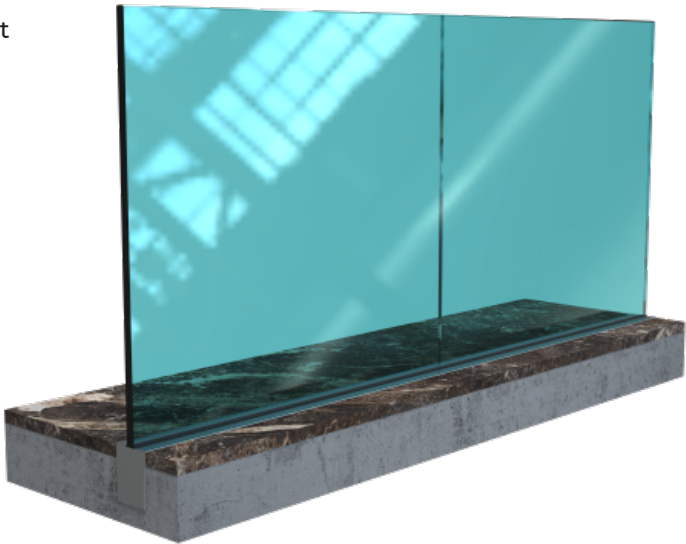
It is suitable for use with taller glass panels (up to 120 cm in height) and thicker glass configurations (8+PVB+8 and 10+PVB+10), commonly required in high traffic areas such as shopping malls and gallery openings.



Smart Base 25
Channel Profile



Smart Base 26
Upper Cover Profile+Gasket



ACCESSORIES



Smart Base 22B
15 cm Base



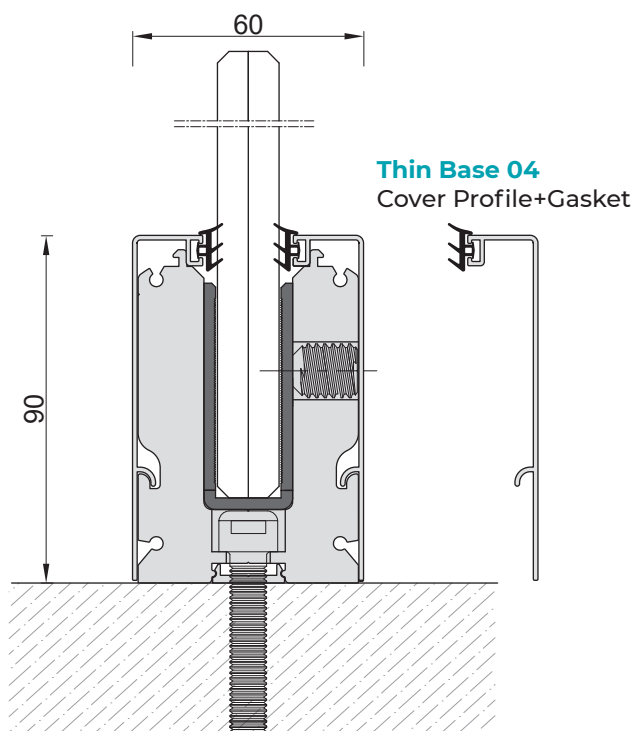
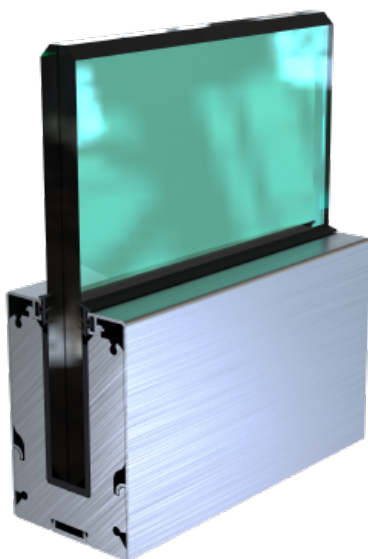
Smart Base 23B
30 cm Base



Smart Base 27
Channel Cover End Cap

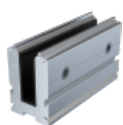
THIN BASE 90 GLASS RAIL SYSTEM

8 mm + PVB + 8 mm

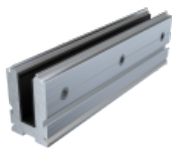


It is a glass railing system that can be adjustable from the side with M16x15 screws. It has a vertical decorative finish cover.

ACCESSORIES



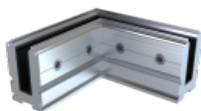
Thin Base 01
15 cm Base



Thin Base 02
30 cm Base



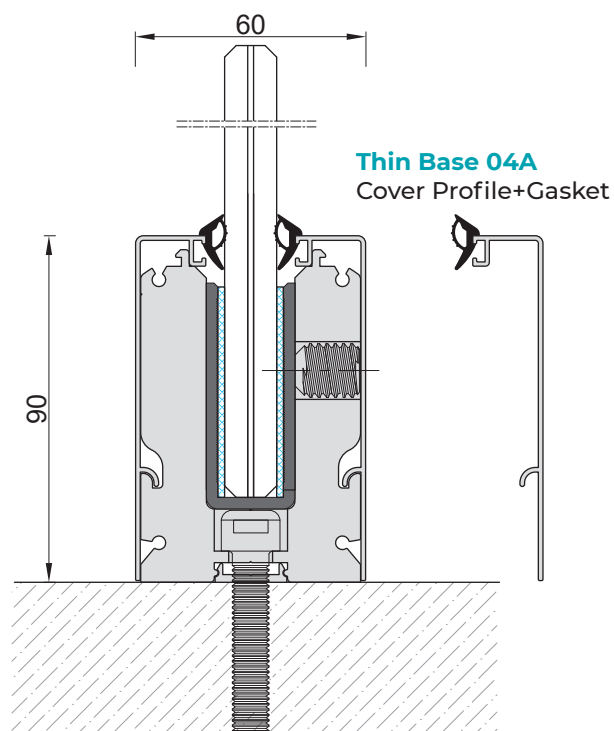
Thin Base 05
Cover End Cap



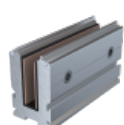
Thin Base 03
15 cm x 15 cm
Corner Base

THIN BASE 90A GLASS RAIL SYSTEM

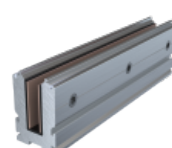
6 mm + PVB + 6 mm



ACCESSORIES



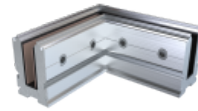
Thin Base 01A
15 cm Base



Thin Base 02A
30 cm Base



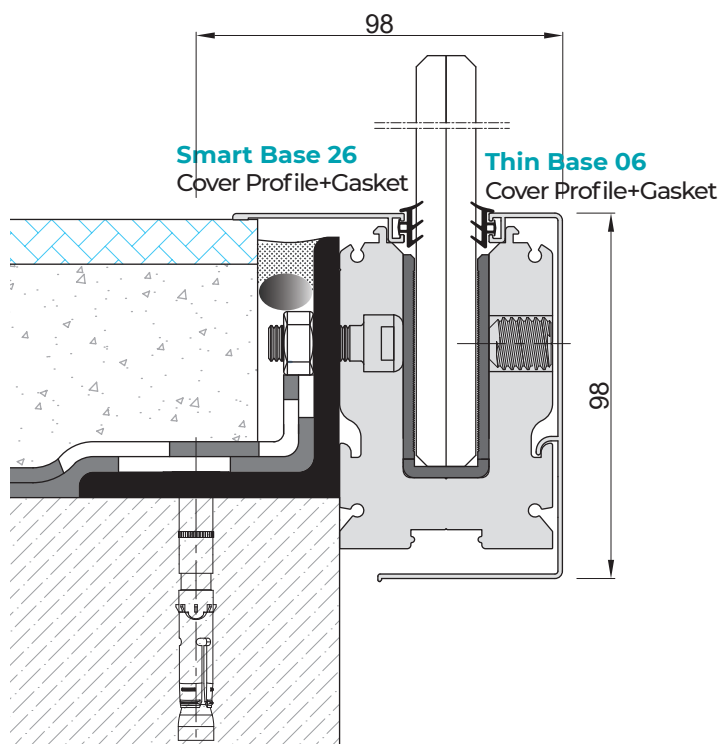
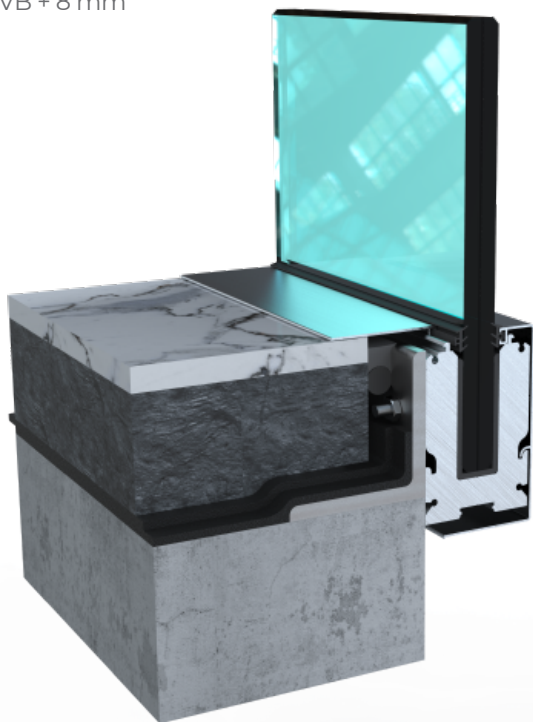
Thin Base 05
Cover End Cap



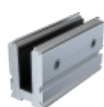
Thin Base 03A
15 cm x 15 cm
Corner Base

THIN BASE 90B GLASS RAIL SYSTEM

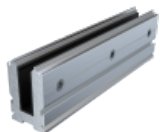
8 mm + PVB + 8 mm



ACCESSORIES



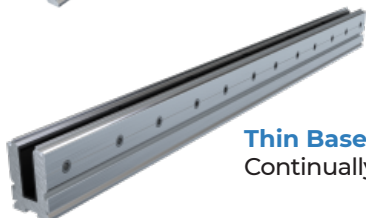
Thin Base 01B
15 cm Base



Thin Base 02B
30 cm Base



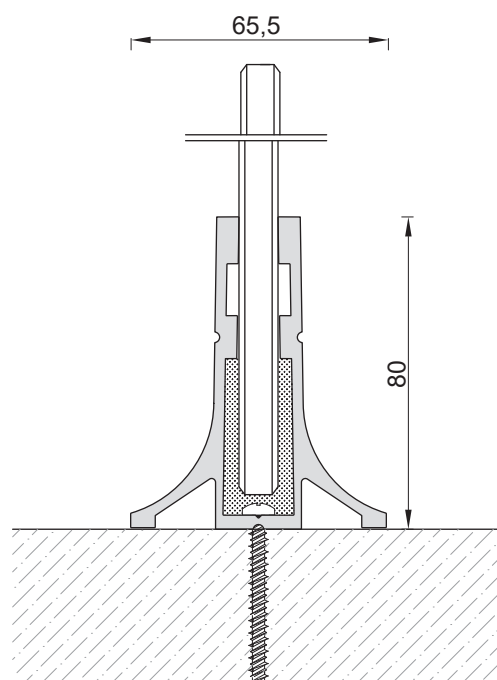
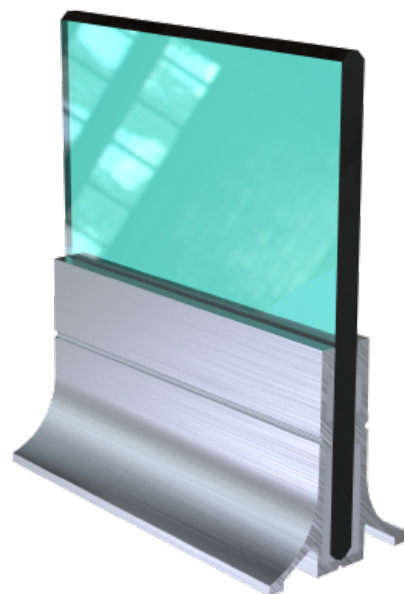
Thin Base 08
Cover End Cap



Thin Base 07
Continually Base

SLIM BASE GLASS RAIL SYSTEM

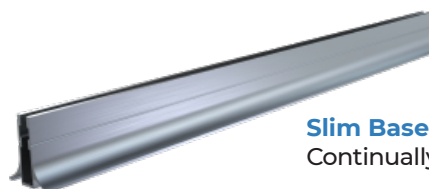
10 mm



ACCESSORIES



Slim Base 02
Cover End Cap

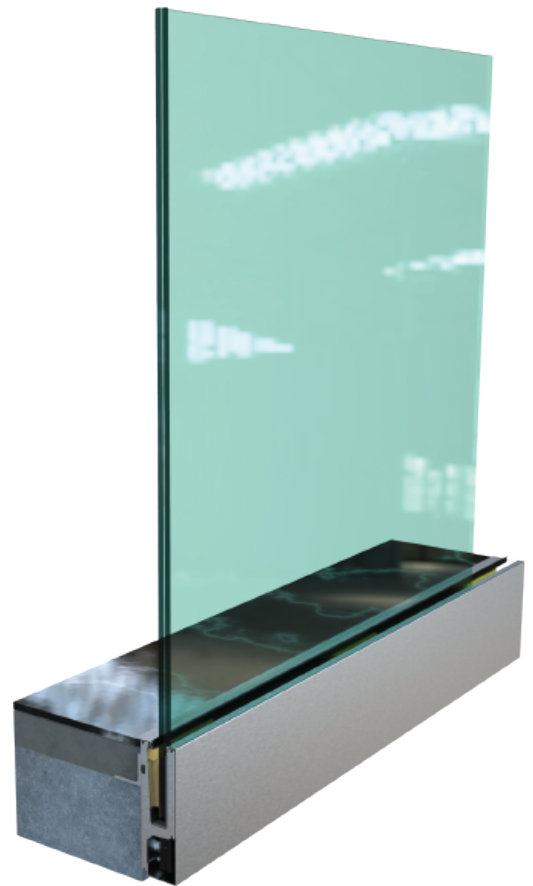
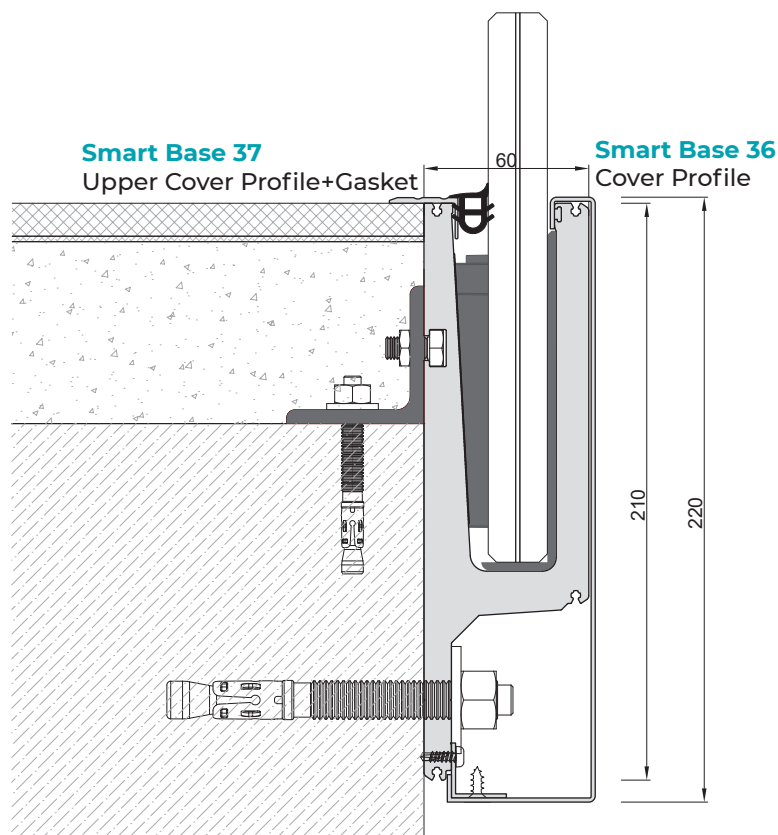


Slim Base 01
Continually Base

SMARTBASE 60-220

GLASS RAIL SYSTEM

10 mm + PVB + 10 mm



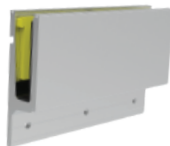
Smart Base 60-220 The glass railing system is a carrier base system suitable for 8+pVB+8 mm and 10+pVB+10 mm glass, which can be applied as console type, especially in balcony applications. Partial assembly or continuous assembly can be done



ACCESSORIES



Smart Base 33
15 cm Base



Smart Base 34
30 cm Base



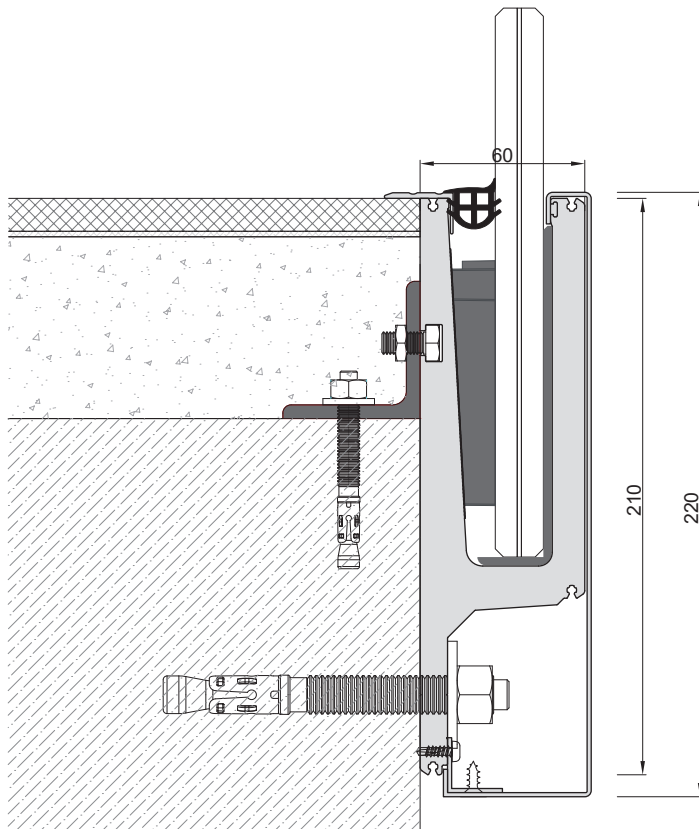
Smart Base 35
Continually Base



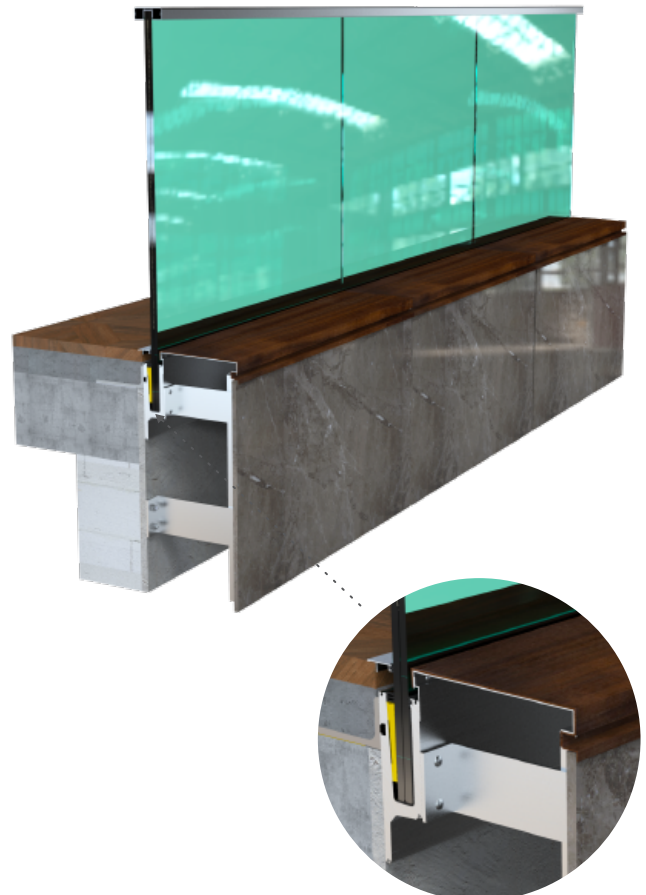
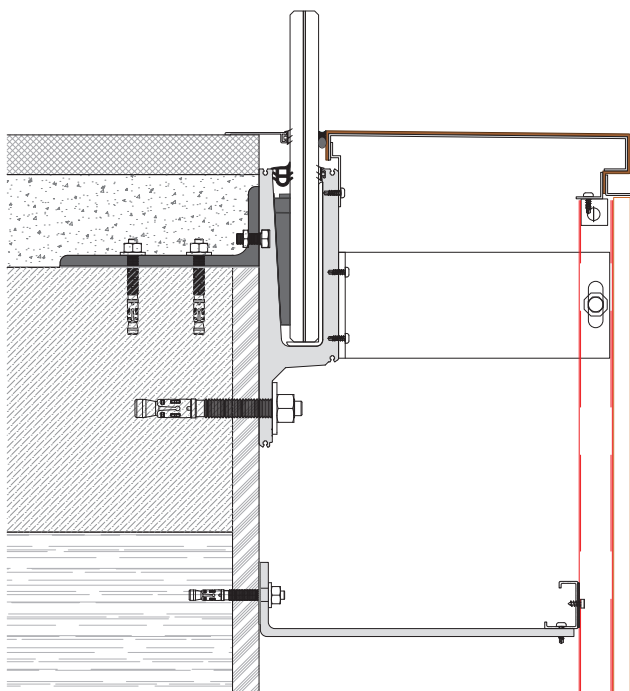
Smart Base 38
Cover End Cap

SMARTBASE 60-220A GLASS RAIL SYSTEM

8 mm + PVB + 8 mm

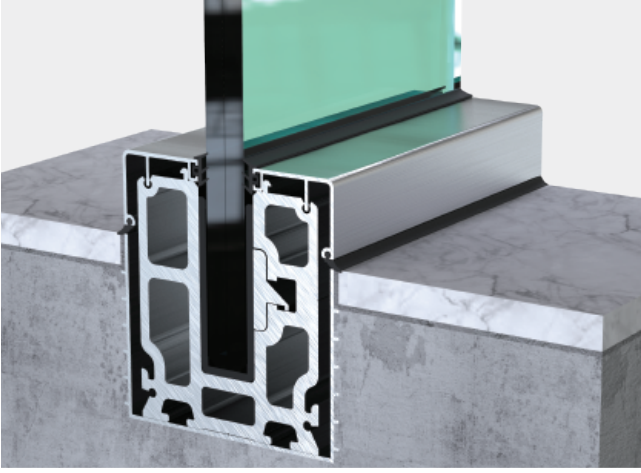


SMARTBASE 60-220 FACADE AND COMPOSITE PANEL DETAIL

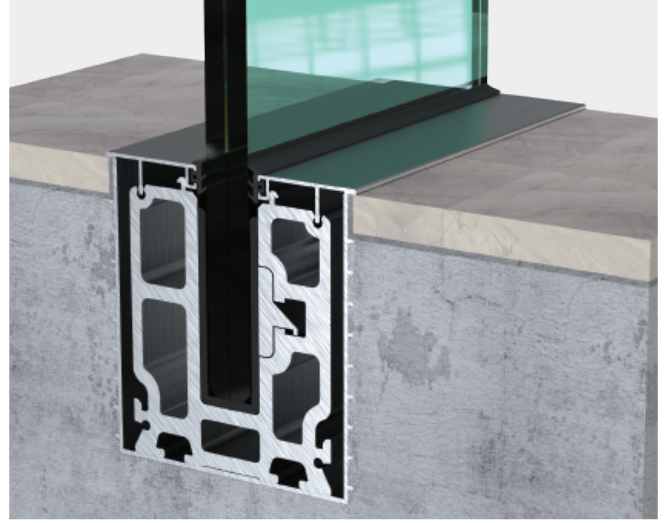
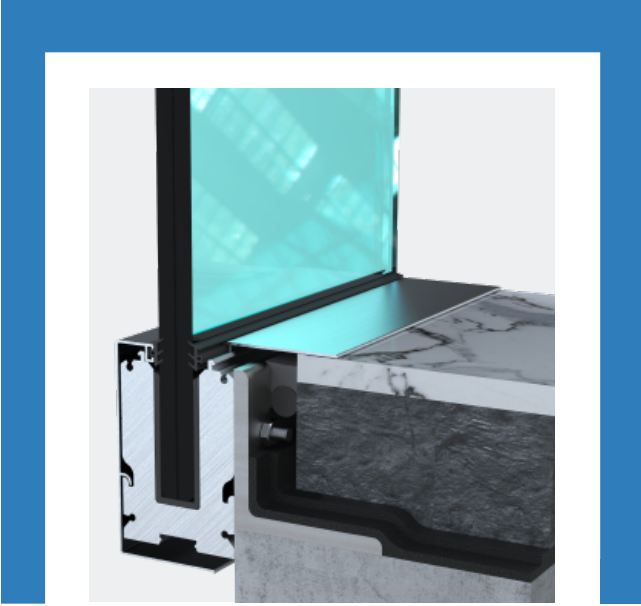




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