

SABCO

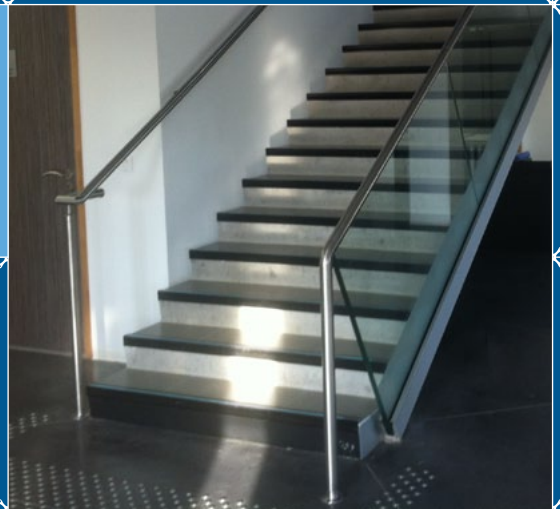
Sadev Balustrade Concept

Frameless Glass balustrade system
Application : 1.8 KN / 3 KN / 5.1 KN



PATENTED

PATENTED INNOVATIVE SYSTEM
« INSTALLATION INCLUDES
ADJUSTMENT! »



WHEN TRANSPARENCY
MEETS
INNOVATION AND
SECURITY



Official test glass + profile system
Tested CSTB - DBT - British standard
Adjustment while installation
Installation 2 times faster

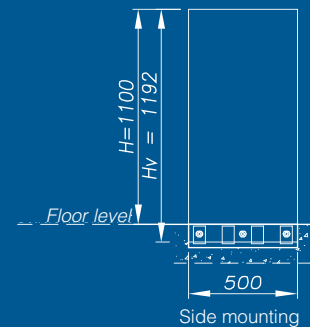
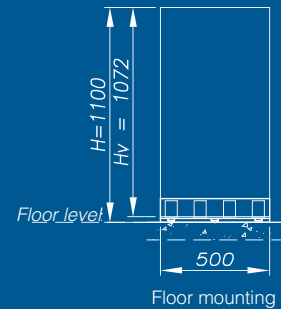
Height up to 2000mm – Length up to 2500mm
Floor or side mounting
Test reports availables

Standard finish :
natural aluminium anodized, inox-look aluminium,
RAL upon request



PERFORMANCES & LOADS

Tests were realised on SADEV glass balustrade system (ref SABCO 0070) with the Riouglass® 500 mm width glass panel.



STATIC TESTS:

INWARDS HORIZONTAL LOAD:

Static load was applied on the up-edge glass and was headed inwards.

OUTWARDS HORIZONTAL LOAD:

→ Verification by serviceable load (SLS)

The glass balustrade system was tested by serviceable load outwards. The load was applied on the top edge of the glass panel of 1100mm above the floor.

→ Verification by ultimate load (ULS)

The glass panel was tested during 15min by ultimate load outwards which is equal to the 3 times of the serviceable load.

DYNAMIC TESTS (BY SCHOCKING IMPACT):

PERFORMANCE MAINTAINING IMPACT :

→ by pendulum test by hard body of 3J energy

ULTIMATE IMPACT :

→ by pendulum test by soft body of 900J energy
→ by hard body of 10J



		900 JOULES	900 JOULES	900 JOULES
DYNAMIC TEST		900 JOULES	900 JOULES	900 JOULES
STATIC TEST		1,8 KN	3 KN	5,1 KN
00 70 10 00 70 12	BASE PLUG DISTANCE	400 MM	400 MM	200 MM
Floor mounting	Type of glass			
	8.8.2 PVB	-		
	8.8.2 EVA	-	✓ 4 tapers / m	
	8.8.2 Trosifol ES	-	✓ 4 tapers / m	
	8.8.2 DG41	-	✓ 4 tapers / m	
	10.10.4 PVB	-	✓ 4 tapers / m	
	10.10.2 EVA	-	-	
	10.10.2 Trosifol ES	-	-	✓ 5 tapers / m
	10.10.2 DG41	-	-	✓ 5 tapers / m
	10.10.2 Serac 50 (Riou Glass)	✓ 5 tapers / m		
	12.12.2 Serac 60 (Riou Glass)	-	✓ 5 tapers / m	
	12.12.4 PVB	-	-	✓ 5 tapers / m
	12.12.2 EVA	-	-	✓ 5 tapers / m

00 70 11	BASE PLUG DISTANCE	200 MM	200 MM	-
Side mounting	Type of glass			
	8.8.2 PVB	-		
	8.8.2 EVA	-		
	8.8.2 Trosifol ES	-	✓ 4 tapers / m	
	8.8.2 DG41	-	✓ 4 tapers / m	
	10.10.4 PVB	-	✓ 4 tapers / m	
	10.10.2 EVA	-	✓ 4 tapers / m	
	10.10.2 Trosifol ES	-	-	
	10.10.2 DG41	-	✓ 4 tapers / m	
	10.10.2 Serac 50 (Riou Glass)			
	12.12.2 Serac 60 (Riou Glass)	-	✓ 5 tapers / m	
	12.12.4 PVB	-	-	
	12.12.2 EVA	-	-	