

# COLUMBUS Flatroof access with steel casing F90 and concertina stair



**Attention:**  
Upstand minimum  
150 mm!

Description:	Ready to fix building element (according to DIN EN 14975)
Operation:	Hand opening: upper cover to be opened manually or opening: i.e. both covers open and close synchronously
Test report:	Time of fire resistance F 90 minutes (tested from below) according to German standard DIN 4102 part 2 by MPA Stuttgart
Upper Cover:	Insulated and weatherproof cover, clad with a zinc coated 1,5 mm steel sheet U-value 1,10 W/m <sup>2</sup> K (calculation of insulated sheet by producer according to DIN EN ISO 6946)
Wooden inlet:	21 mm blockboard alkali resistant
Hatchbox:	1,5 mm sheet metal with profile frame, grounded, standard-box-height 33 cm (remainder is wood) with additional treads and divided trapdoor (according to DIN EN 14975)
Trapdoor:	1,5 mm sheet metal with insulation inside, grounded, operating pole, spring latch trapdoor locking, all around rubber seal, U-value 0,93 W/m <sup>2</sup> K (calculation of insulated sheet by producer according to DIN EN ISO 6946)
Concertina stair:	Concertina stair made of diecast, telescopic handrail in series
Treads:	Tread width 20 cm - 38 cm. 14 cm depth of treads, Tread width 43 cm - 58 cm, 16 cm depth of treads, non slip aluminium
Load:	200 kg per tread, 500 kg/m <sup>2</sup> overall structure tested according to DIN EN 14975 by TÜV Süd

