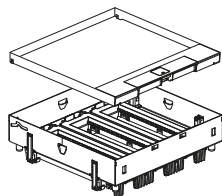
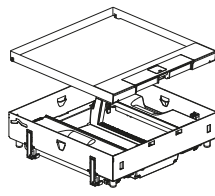


Flush lid floor boxes for concrete floor

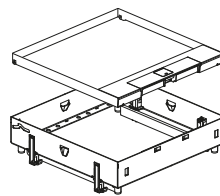
Cat. No(s) : 0 807 42 to 50/55 - 0 880
80/81/82/83/86/88/90/91/92 - 0 881 42/45/46/47 - 981366 to
371/375 - 981379 to 381



0 807 45/46/47



0 807 48/49/50



0 807 42/43/44

Contents	Page
1. Use	1
2. Range.....	1 to 2
3. Dimensions	3 to 6
4. Installation	7 to 10
5. Spare parts.....	11
6. General characteristics.....	12
7. Care.....	12
8. Standards & Approvals.....	12

1. USE

Flush version floor boxes, supplied in kit, to install in a concrete floor of any kind of tertiary buildings (offices, public building, hospitals, schools/universities, shops, showrooms, hotels...). To be equipped with power, data, USB sockets.
We advise to use 2p+E sockets, 45° inclined version with upward earth pin.

These floor boxes can be installed in two types of backboxes:

- auto-adjusting
- universal adjustable.

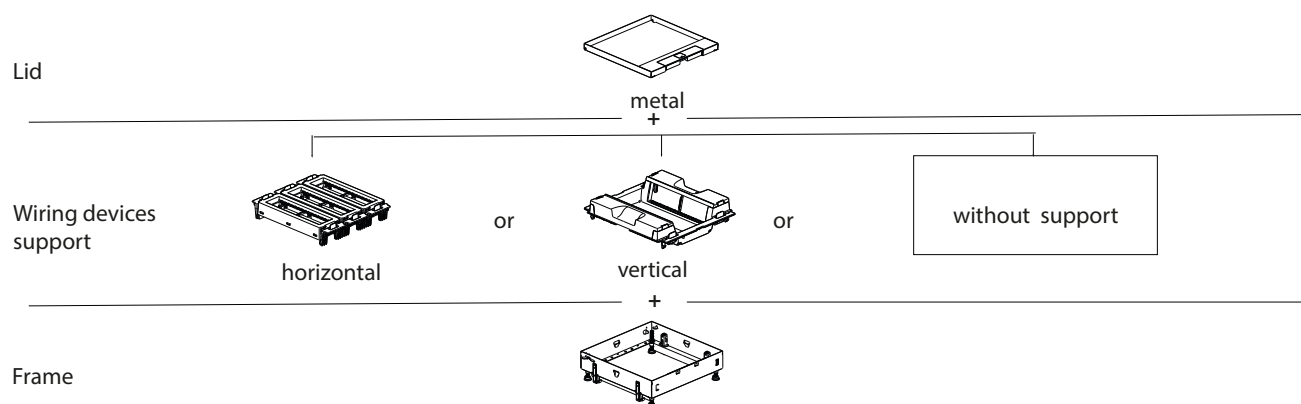
The backboxes allow concrete to be poured over the flexible conduits before installing the floor boxes.

We advise you to use gloves when handling the products.



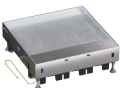
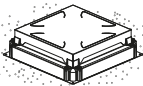
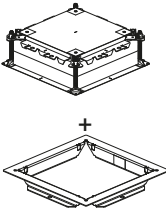
2. RANGE

■ 2.1 Composition of a floor box cat. no



2. RANGE (cont.)

■ 2.2 Selection chart

		Floor boxes with wiring devices supports for sockets						Access cover without wiring devices support		
		in horizontal position			in vertical position			Dimensions (mm)		
		Modules capacity								
Floor boxes	Type of lid	12 (3x4)	18 (3x6)	24 (3x8)	8 (2x4)	12 (2x6)	16 (2x8)	181 x 264	219 x 264	264 x 264
	metal	0 807 45	0 807 46	0 807 47	0 807 48	0 807 49	0 807 50	0 807 42	0 807 43	0 807 44
Backboxes for plastic or metal floor boxes, to select according to concrete screed depth:		+			+			+		
	Auto-adjusting backbox									
	Concrete screed depth : 82 - 90 mm (1)				0 880 90	0 880 91	0 880 92	0 880 90	0 880 91	0 880 92
	Concrete screed depth: 89 - 90 mm (1) (2)	0 880 90	0 880 91	0 880 92						
	Universal adjustable backbox									
	Concrete screed depth: 81 - 122 mm (3)				0 880 80 + 0 880 81	0 880 80 + 0 880 82	0 880 80 + 0 880 83	0 880 80 + 0 880 81	0 880 80 + 0 880 82	0 880 80 + 0 880 83
	Concrete screed depth: 88 - 122 mm (2) (3)	0 880 80 + 0880 81	0 880 80 + 0880 82	0 880 80 + 0880 83						
for concrete height from 110 to 300 mm		+			+			+		
	Set of 4 extension feet	0 881 42			0 881 42			0 881 42		
Stainless steel finishing plates (optional)	for floor boxes with	+			+			+		
	metal cover	0 881 45	0 881 46	0 881 47	0 881 45	0 881 46	0 881 47	0 881 45	0 881 46	0 881 47

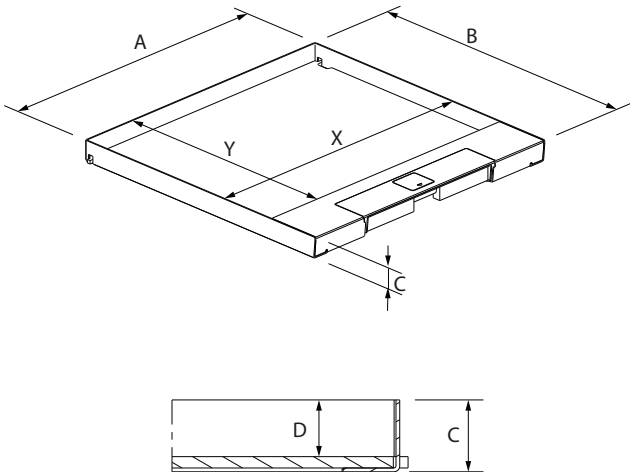
(1) concrete height from 140 to 200 mm with cat. no 0 807 55, please report to pages 5 & 8

(2) minimum height of screed for use of straight plugs, please report to page 7

(3) maximum height up to 250 mm with cat. nos 0 880 88 & 0 880 86, please report on pages 6 & 9

3. DIMENSIONS

■ 3.1 Metal lid stainless steel finish

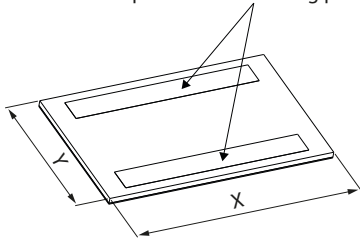


for flush lid floor boxes & access covers cat. nos	Dimensions (mm)					
	A	B	C	X	Y	D
0 807 42/45/48	260.5	177.3	19	258.5	126.3	15
0 807 43/46/49		215.3			164.3	
0 807 44/47/50		260.3			209.3	

■ 3.2 Stainless steel finishing plates

Cat. nos	Modules capacity	for flush lid floor boxes & access covers cat. nos
0 881 45	8/12	0 807 42/45/48
0 881 46	12/18	0 807 43/46/49
0 881 47	16/24	0 807 44/47/50

Double sided adhesive tape to fix the finishing plate on the frame & lid

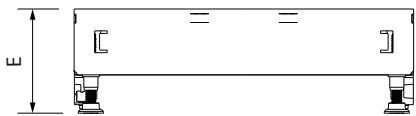
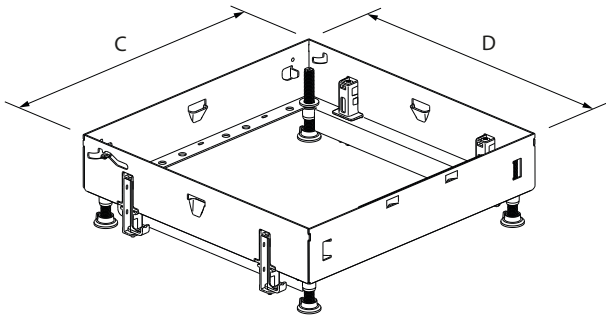


Cat. nos	Dimensions (mm)	
	X	Y
0 881 45	257	125
0 881 46		163
0 881 47		208

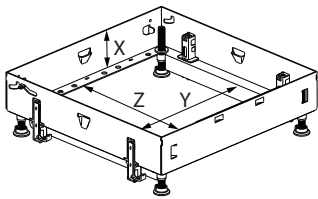
Remove protection adhesive tape from finishing plates (lid & plate)
ONLY WHEN THE BUILDING IS READY TO RECEIVE ITS OCCUPANTS (= heated and normal hygrometry rate 45-65 %).

3. DIMENSIONS (cont.)

■ 3.3 Frame for flush lid floor boxes and access covers



for flush lid floor boxes & access covers cat. nos	Dimensions (mm)		
	C	D	E
0 807 42/45/48	264	181	81
0 807 43/46/49		219	
0 807 44/47/50		264	



for flush lid floor boxes & access covers cat. nos	Dimensions (mm)		
	X	Y	Z
0 807 42/45/48	50	228.8	148
0 807 43/46/49			186
0 807 44/47/50			231

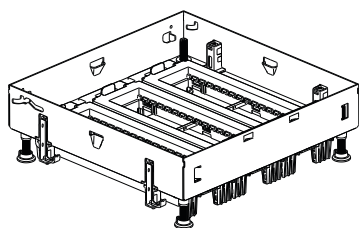
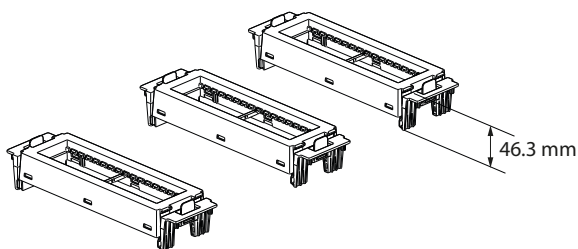
3. DIMENSIONS (cont.)

■ 3.4 Wiring devices supports

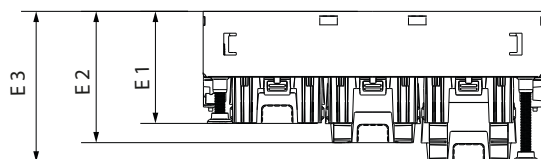
3.4.1 for sockets in horizontal position

cat. nos 0 807 45/46/47

3 separate supports



3 height adjustments *

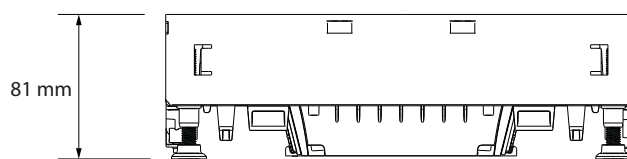
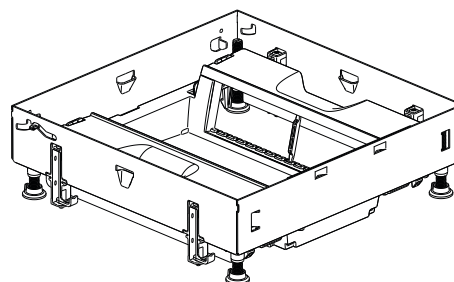
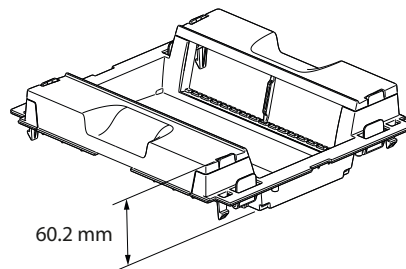


* E1/E2/E3 : refer to page 7, chapter 4.1.2

3. DIMENSIONS (cont.)

3.4.2 for sockets in vertical position

cat. nos 0 807 48/49/50



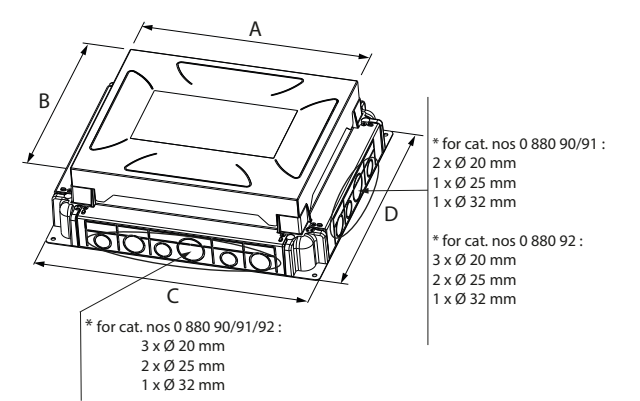
Flush lid floor boxes for concrete floor

Cat. No(s): 0 807 42 to 50/55 - 0 880 80/81/82/83/86/88/90/91/92 - 0 881 42/45/46/47 - 981366 to 371/375 - 981379 to 381

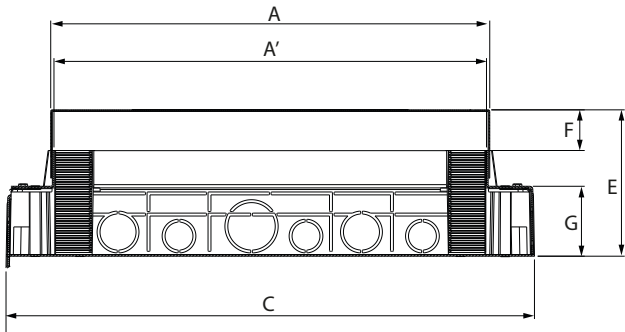
3. DIMENSIONS (cont.)

■ 3.5 Auto-adjusting backboxes

Auto-adjusting backboxes cat. nos	Modules capacity	for frame and lid floor boxes cat. no
0 880 90	8/12	0 807 42/45/48
0 880 91	12/18	0 807 43/46/49
0 880 92	16/24	0 807 44/50/47



Auto-adjusting backboxes cat. nos	Dimensions (mm)			
	A	B	C	D
0 880 90	270	187	325	242
0 880 91		225		280
0 880 92		270		325

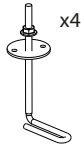


Auto-adjusting back- boxes cat. nos	Dimensions (mm)					
	A	A'	C	E	F	G
0 880 90	270	266	325	90	25	43
0 880 91						
0 880 92						

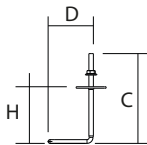
3. DIMENSIONS (cont.)

3.5.1 Fixing kit for elevating and leveling cat. no 0 807 55 for the auto-adjusting backboxes

Kit consisting of 4 parts.



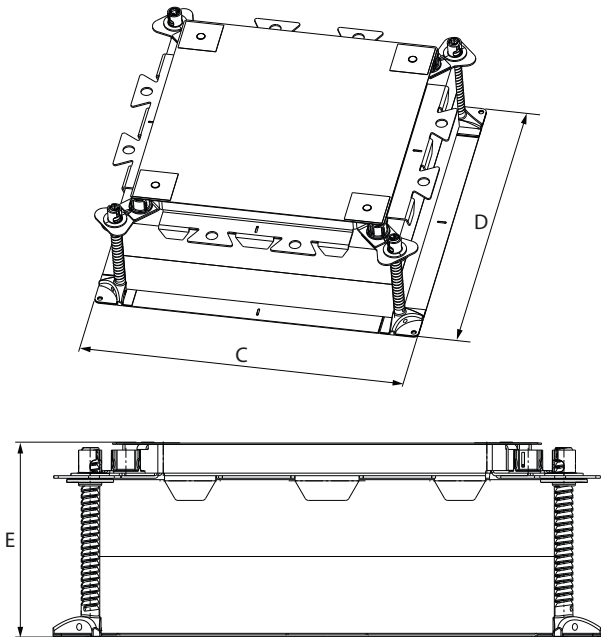
Allows the elevation of auto-adjusting backboxes 088090/91/92 and enables precise leveling by independently adjusting the four corners.



Cat. no	Dimensions (mm)			
	C	D	H mini	H maxi
0 807 55	120	60.5	50	110

3. DIMENSIONS (cont.)

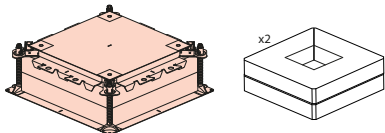
■ 3.6 Universal adjustable backbox



Universal adjustable backboxes cat. nos	Dimensions (mm)		
	C	D	E
0 880 80*	428	428	152

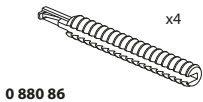
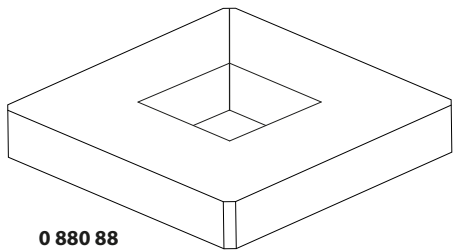
* supplied with 2 foam blocks inside

0 880 80 =



3.6.1 Extra foam blocks cat. no 0 880 88 and kit of 4 height extension feet for universal adjustable backbox

Number of foam blocks necessary when screed height (H) is inferior to 125 mm

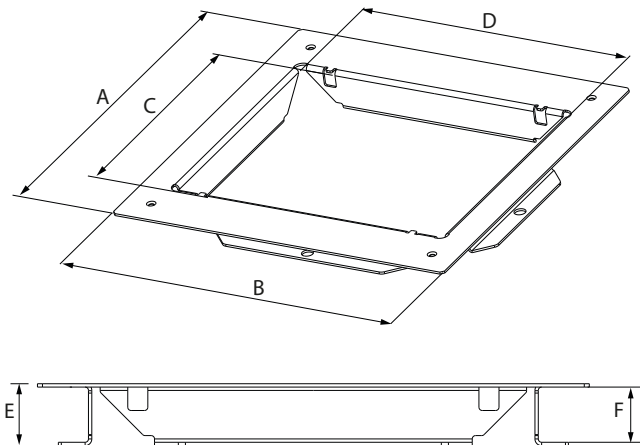


3. DIMENSIONS (cont.)

3.6.2 Mounting adaptors for universal adjustable backbox

for mounting on universal adjustable back box cat. no 0 880 80

Mounting adaptors cat. nos	Modules capacity	for floor boxes & access covers cat. nos
0 880 81	8/12	0 807 09/12/15/27/30/33
0 880 82	12/18	0 807 10/13/16/28/31/34
0880 83	16/24	0 807 11/14/17/29/32/35

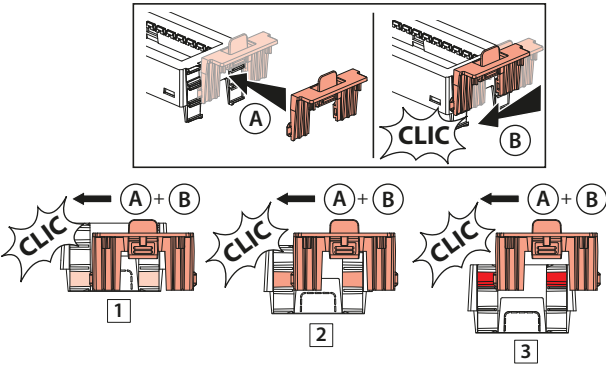


Mounting adaptors cat. nos	Dimensions (mm)					
	A	B	C	D	E	F
0 880 81	330	330	182	265	37	33
0 880 82			219			
0 880 83			265			

4. INSTALLATION

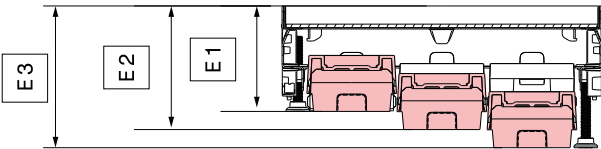
■ 4.1 Wiring devices support for sockets in horizontal position

4.1.1 Height adjustment: 3 positions



4.1.2 Minimum height of floor according to the wiring devices support position

E1	88 mm
E2	103 mm
E3	118 mm



4.1.3 Restrictions depending on the wiring devices

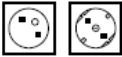
Depending on the type of plugs used, the position of the wiring device support must be adjusted to ensure the lid can be closed properly (see table below for restrictions)

Angled plug	1	2	3
Straight plug	✗	2	3
RJ45 plug	✗	2	3
HDMI plug	✗	✗	3
Fiber optic plug	✗	✗	3

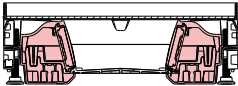
4. INSTALLATION (cont.)

■ 4.2 Wiring devices support for sockets in vertical position

In order to connect all types of user plugs (straight and angled) and to be able to close correctly the lid, we advise to use 2 P+E sockets, 45° inclined version with upward earth pin, as below :



4.2.1. Restrictions depending on the wiring devices

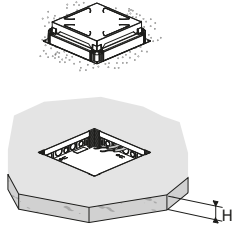


Angled plug	OK
Straight plug	OK
RJ45 plug	OK
HDMI plug	OK
Fibre optic plug	OK

4. INSTALLATION (cont.)

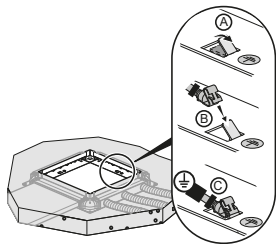
■ 4.3 Installation with auto-adjusting backboxes cat. nos 0 880 90/91/92

4.3.1 Technical details about auto-adjusting backboxes

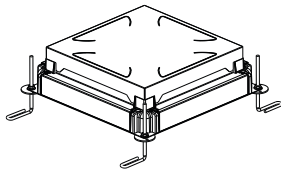


Concrete screed height H : 65- 90 mm

4.3.1.1 Earth link of the backbox



4.3.1.2 Installation of the fixing kit for elevating and leveling of the auto-adjusting backbox cat. no. 0 80755

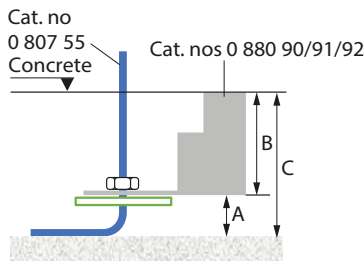


The backbox can be raised and it is possible to level each corner of he backbox independently using the fixing kit for elevating and levelling cat. no 0 807 55.

Recommendation: Use screws with a diameter of 5 to 6 mm to fix this accessory to the floor.

Concrete height H with reference 0 807 55: 140 – 200 mm

Warning: The depth of the backbox remains limited to 90 mm since the backbox has a bottom.

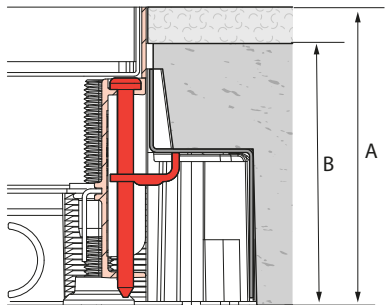
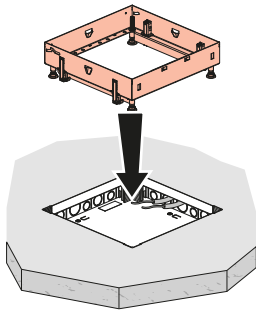


Height adjustment	A (mm)	B (mm)	C (mm)
Elevating & leveling	50 mini*	90	140 - 200

* For a stable and durable base, it is recommended to raise the box by 50 mm, allowing the concrete to flow underneath. This value may be reduced if the fluidity is sufficient.

4. INSTALLATION (cont.)

4.3.2 Installation of the floor box frame



Cat. nos	A (mm)	B (mm)
0 807 45/46/47	89* - 105	65 - 90
0 807 48/49/50	82 - 105	
0 807 42/43/44	82 - 105	

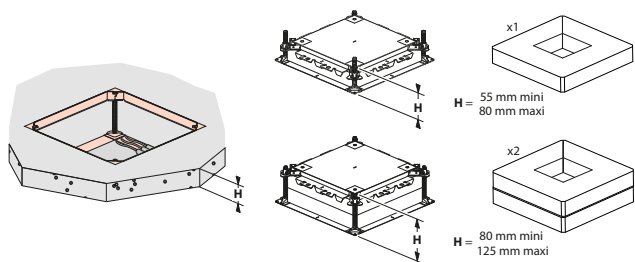
* - 89 mm minimum for position 1 of wiring device support (see page 7)
- 104 mm minimum for position 2 of wiring device support (see page 7)
- Position 3 of wiring devices support impossible (see page 7)

4. INSTALLATION (cont.)

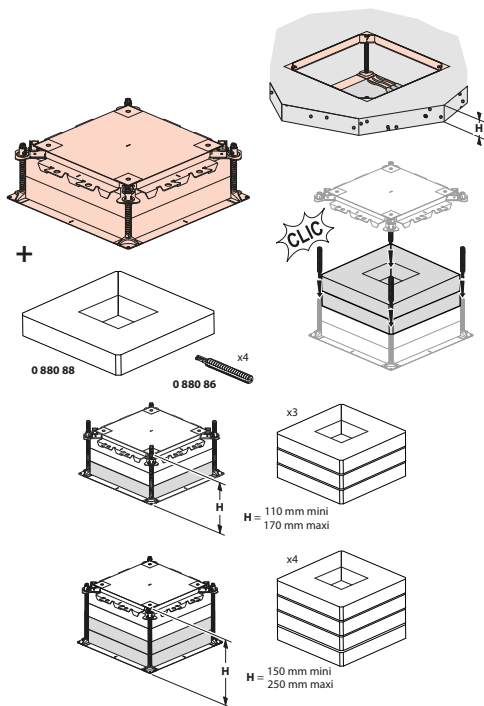
■ 4.4 Installation with universal backbox cat. no 0 880 80

4.4.1 Technical details about universal backbox

Adjust the number of foam blocks according to the desired screed thickness (H).
Cat. no 0 880 80: supplied with 2 foam blocks.

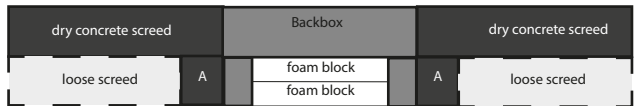


For a concrete screed height greater than 125 mm, use the extension foot kit (set of 4) cat. no 0 880 86 and 1 to 2 foam blocks cat. no 0 880 88.



Special case concrete poured over loose screed:

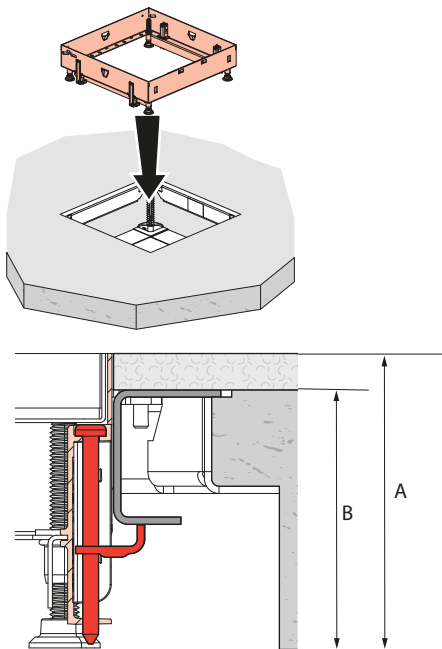
In the case of installation with pouring over gravel (loose screed), a dry concrete screed must be made around the foam (area A – see diagram below).
This precaution helps prevent gravel from entering the wiring area when the foam blocks are removed after the concrete has been poured.



Earth link of the backbox.

4. INSTALLATION (cont.)

4.4.2 Installation of backboxes with mounting adaptors cat. nos 0880 81/82/83 for universal backbox



Cat. nos	A (mm)	B (mm)
0 807 45/46/47	88 (1) - 122 (2)	55 - 122 (2)
0 807 48/49/50	81 - 122 (2)	
0 807 42/43/44	81 - 122 (2)	

- (1)
- 88 mm minimum for position 1 of wiring device support (see page 7)
 - 103 mm minimum for position 2 of wiring device support (see page 7)
 - 118 mm minimum for position 3 of wiring device support (see page 7)

- (2)
- up to 250 mm with the kit of 4 height extension feet cat. no 0 880 86 & 2 foam blocks cat. no 0 880 88 and the set of extension feet for height from 110 to 300 mm cat. 0 881 42

4.4.2.1 Set of extension feet for height from 110 to 300 mm cat. no 0 881 42

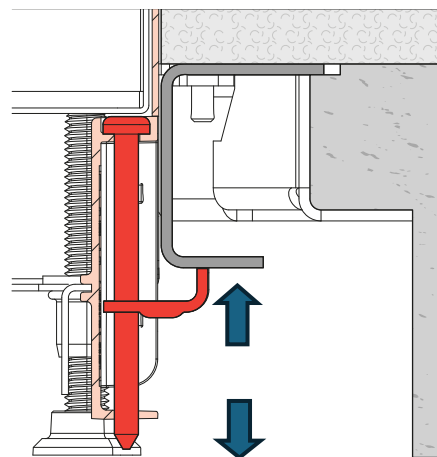
Made of 4 screw-on feet
For floor boxes cat. nos 0 807 42 to 50



If the floor height is between 110 and 300 mm, use accessory reference 0 881 42. Cut the adjustment screw according to the floor height and install it in place of the original feet.

4. INSTALLATION (cont.)

4.4.3 Optimized fastening for a flush floor finish

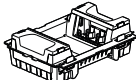
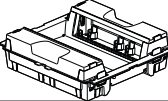
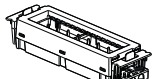
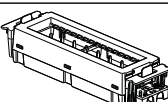
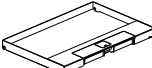
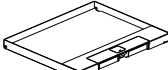
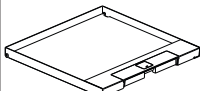


The floor box is securely held in place thanks to the pressure exerted between the adapter (via claw tightening) and its feet, which rest directly on the reference screed.

This design ensures excellent stability, capable of withstanding mechanical loads, while the discreet metal frame minimizes wear zones.

This system is particularly recommended for high-traffic areas or circulation spaces, where durability and discretion are essential.

5. SPARE PARTS

Description	Capacity	Spare parts cat. nos		for floor boxes and access covers
Wiring devices supports for sockets in vertical position	8 modules	981369		0 807 48
	12 modules	981370		0 807 49
	16 modules	981371		0 807 50
Wiring devices supports for sockets in horizontal position	4 modules	981366		0 807 45
	6 modules	981367		0 807 46
	8 modules	981368		0 807 47
Metal cover	260,5 x 177,3 mm	981379		0 807 42/45/48
	260,5 x 215,3 mm	981380		0 807 43/46/49
	260,5 x 260,3 mm	981381		0 807 44/47/50
4 plastic screws & nuts for height adjustment for universal backbox		981375	 x4	0 880 80

6. GENERAL CHARACTERISTICS

■ 6.1 Mechanical characteristics

Protection to:

IP30 with the cover closed

IP20 with the cover opened

Resistance to impacts: IK08 with the cover closed

Self-extinguishing: + 650°C/30s for parts made of insulating materials according to EN60095-2-11
The intlets of conduits or cables are pre-cutting for an easier installation.

Classification floor boxes according to the IEC 60670-1 & IEC 60670-23 standard:

7.1 The nature of material	Composite
7.2 The type of installation	Flush or semi-flush in hollow walls, hollow ceilings, hollow floors
7.2.1.2	Suitable for installation into concrete with a maximum temperature during the casting process of +60 °C
7.3 The type (s) of inlets	Without inlets. Inlet openings will be made during installation
7.4 The clamping means	Without clamping means
7.5 The minimum temperature during installation and use	- 5 °C
7.6 The degree of protection against harmful effects due to the ingress of solid foreign objects	IP30 lid closed
7.7 The degree of protection against harmful effects due to the ingress of water	IPX0
7.9 The provision for fixing accessories to boxes	Boxes intended to receive other means
7.101 The type of lid	Enclosure with a removable lid
7.102 According to floor treatment	Floor boxes or enclosures intended to be installed in floor subjected to dry treatment

Resistance to a vertical load of 500N applied to a surface of 1 cm² according to IEC Standard 60670-23.

Maximum vertical load Resistance

Flush lid floor boxes for concrete floor	Cat. Nos	small surface (1 cm ²)	large surface (Ø 130 mm)
Metal	0 807 42 to 50	2500 N	5000 N

Safety : Check that the system is earthed for cat. nos of flush lid floor boxes and access covers with metal cover (0 807 42 to 0 807 50)

6. GENERAL CHARACTERISTICS (cont.)

■ 6.2 Material characteristics

for floor boxes

. Plastic materials:

- PC RAL 7016 (internal parts)

- ABS RAL 7016 (internal parts)

. Metallic materials:

- Electro-galvanized steel

- Stainless steel

- Galvanized steel (Z275))

for backboxes

. Plastic materials:

- ABS

- PU

. Metallic materials:

- Galvanized steel (Z140)

7. CARE

Superficial cleaning with a cloth. Do not use abrasive products or detergents.

Caution: Always test before using other special cleaning products

8. STANDARDS & APPROVALS

Compliant with CEI 60670-1 & CEI 60670-23 standards.
See e. catalogue.