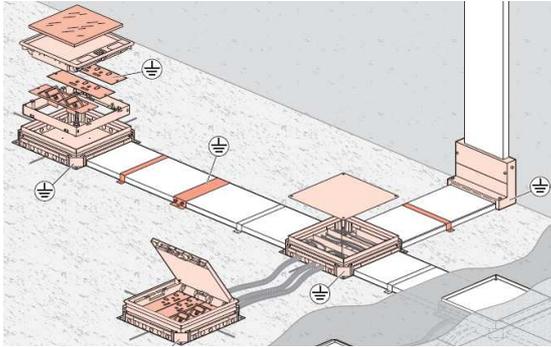


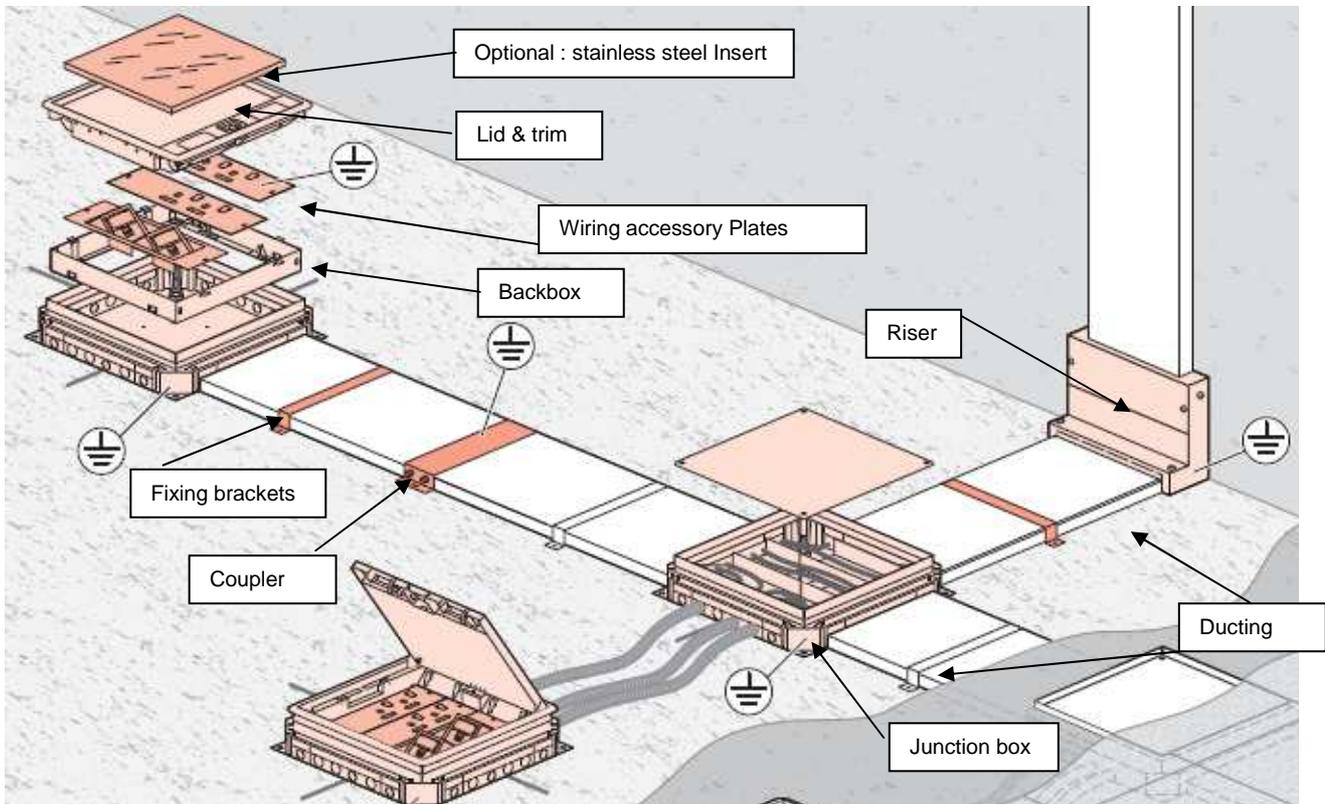
Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93



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1. Range	1 to 4
2. Installation process	5 to 10
3. Products details	11 to 24
4. Technical characteristics	25 to 26

1 RANGE.



	Fixing bracket	Coupler	Junction box	Riser	End cap	Backbox	Lid & Trim	Stainless steel Insert		
75 x 25 (mm) PVC	6897 00	6897 10	6897 11	-	-	6897 14				
150 x 25 (mm) PVC	2 x 6897 00	6897 15	6897 16	-	-	6897 19				
225 x 25 (mm) PVC	6897 01	6897 20	6897 21	6897 22	6897 23	6897 24	6896 34 or 6896 35	6896 45		
225 x 25 (mm) Metal	6897 05									
225 x 38 (mm) Metal	6897 06	6897 25	6897 26	-	-	6897 29	gray	6896 30	6896 31	6896 92
300 x 25 (mm) Metal	6897 07	6897 30	6897 31	6897 32	6897 33	6897 34	baige	6896 32	6896 33	
300 x 25 (mm) PVC + 6897 01	6897 00						-	-	-	-
300 x 38 (mm) Metal	6897 08	6897 35	6897 36	-	-	6897 39	baige	6896 42	6896 43	

CONTENTS

1 RANGE pages 1 to 4
1- Screed Floor box provides adaptable power, data, audio & video distribution in screed floors. 2- Screed Floor System. 3- Cable Capacity Guide. 4- Layout.
2 INSTALLATION PROCESS pages 5 to 10
1- Installation 2- Junction box ref 6897 22/32 3- Backbox ref 6896 34/35/45 and 089604 4- Lid & trim ref 6896 30/31/32/33/40/41/42/43 5- Lid & trim for floor box for tiles/marble ref 6896 50/51/52
3 PRODUCT DETAILS pages 11 to 24
1- Junction Box ref 6897 22/32 2- Junction Box for tiles box ref 6896 09 3- Backbox ref 6896 34/35/45 4- Backbox for tiles box ref 0896 04 5- Riser ref 6897 23/28/33/38 6- Ductings ref 6897 00/01/05/06/07/08 7- Fixing bracket ref 6897 10/15/20/25/30/35 8- Coupler ref 6897 11/16/21/26/31/36 9- End cap ref 6897 14/19/24/29/34/39 10- Accessory Plates 11- Lid & trim ref 6896 30/31/32/33/40/41/42/43 12- Lid & trim for floor box for tiles/marble ref 6896 50/51/52 13- Lid & trim for floor box for tiles/marble ref 6896 55/56 14- Stainless steel Insert for lid & trim ref 6896 92/93
4 TECHNICAL CHARACTERISTICS page 25 to 26

1 RANGE.

1- The screed Floor system provides adaptable power, data, audio & video distribution in screed floors.

The system ensures a fast and simple installation.

Suitable for screed height between 65 to 90mm.

Lid & trim are IP20 rated in accordance with EN 50085-2-2 and EN 60670-23

Choice of 3 or 4 compartments lid & trim

Self Closing lid in accordance with IEC 61534-22.

Lid & trim: plastic material ABS/PA 6.6/Rigid & flexible exits: plastic material ABS/TPEE

Lid & trim for floor box for tiles/marble: stainless steel material AISI 304

Stainless steel insert: stainless steel material AISI 304

2- Screed Floor trunking System.

Chemical resistance: Non corrosive.

Water absorption: The floor outlet boxes are for use in situations where the cleaning method used does not result in the formation of pools of liquid or soaking of the floor surface.

Degree of protection: Enclosure classification of IP20 when installed in accordance with the instructions set out in the installation guide.

Ambient Temperature Range (minimum/maximum):

Handling and storage -25°C minimum/During installation -5°C to 60°C/Application -5°C to 60°C

PVC Ducting:

Duct straight lengths are extruded from PVC.

Colour: grey

Fire: Non-flame propagating.

Chemical resistance: Non-corrosive and not affected by sea water.

Excellent resistance to mineral acids, alkalis and detergents but liable to attack from solvents.

Vermin: Resistant to vermin and termites.

Thermal Lower and upper limit of range of ambient temperature from -25°C to 60°C.

All products are designed to accommodate local thermal expansion and fitting instructions cover differential movement at the interface with the building fabric.

Electrical Duct is non-conductive.

Durability: The product is stable within the terms and conditions described above and will maintain its performance characteristics.

Workability: The duct is light weight and can be readily cut with hand tools. Short lengths can be readily incorporated and there should be minimal wastage of material.

Metal Ducting and Accessories:

Material Pre-galvanised steel sheet (DX51D Z275 MAC)

Note:

Distance between two junction boxes must not exceed 4.88m (two trunking lengths)

Cleaning:

The exterior should only be cleaned using a damp cloth

Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

1 RANGE.

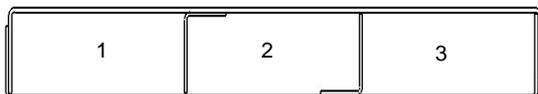
3- Cable Capacity Guide.

The number and location of boxes will depend on the end user requirements.

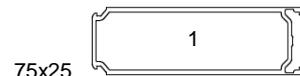
If the furniture layout is available, a lid & trim should be considered for each workstation or desk.

If the final furniture layout is not available, the minimum recommended distribution is one lid & trim for every 10m², and the maximum being one lid & trim per 4m².

Metal ducting (for example with 225x25): compartment 1, 2 and 3 have the same capacity



PVC ducting (for example with 225x25): compartment 1, and 3 have the same capacity



45% available cross section

for power cables			Number of PVC stranded							Number of Twin & earth		
Ducting	Compt	Section 45% Fill mm ²	1,5 ² Ø3.3 mm	2,5 ² Ø4mm	4 ² Ø4.6 mm	6 ² Ø5.2 mm	10 ² Ø6.7 mm	16 ² Ø7.8 mm	25 ² Ø9.7 mm	2,5 ² Ø10.5 mm	4 ² Ø11.2 mm	6 ² Ø13.7 mm
metal 225x25	1/2/3	739	86	59	45	35	21	15	10	9	7	5
metal 225x38	1/2/3	1164	135	92	70	55	33	24	16	14	12	8
metal 300x25	1/2/3	994	116	79	60	47	28	21	13	12	10	7
metal 300x38	1/2/3	1566	182	124	94	74	44	33	21	18	16	11
PVC 75x25	1	754	88	60	45	36	21	16	10	9	8	5
PVC 225x25	1/3	680	79	54	41	32	19	14	9	8	7	5
	2	671	78	53	40	32	19	14	9	8	7	5

for data cables			Number of Data cables			
Ducting	Compartment	Section 45% Fill mm ²	cat 5E UTP Ø5.5	cat 5E STP Ø6	cat 6 UTP Ø6.5	cat 6 STP Ø7
metal 225x25	1/2/3	739	24	21	18	15
metal 225x38	1/2/3	1164	39	32	28	24
metal 300x25	1/2/3	994	33	28	24	20
metal 300x38	1/2/3	1566	52	43	37	32
PVC 75x25	1	754	25	21	18	15
PVC 225x25	1/3	680	23	19	16	14
	2	671	22	19	16	14

Screed System ducting complies with EN50085-1: 2005 and draft EN50085 Part 2-2.

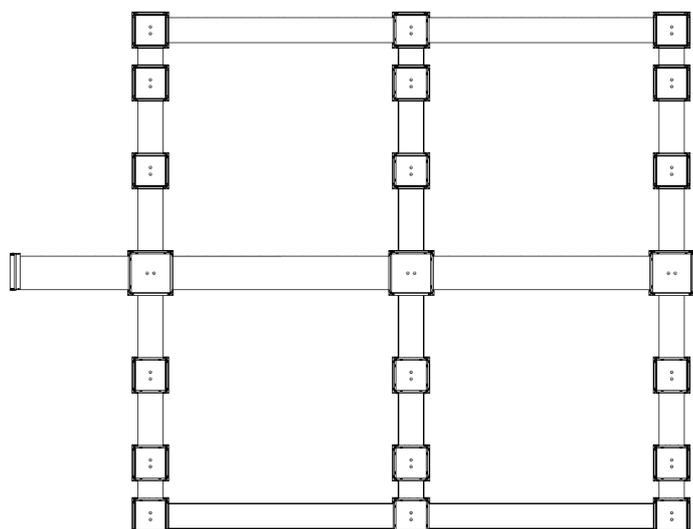
The above table gives the available capacity units on 45% factor, applied to the internal wiring area.

1 RANGE.

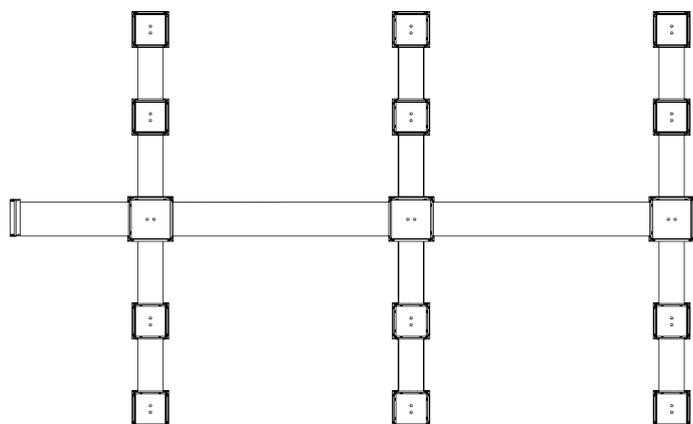
4- Layout.

In order for the installation to perform desired flexibility, the ducting is usually laid out on either a Grid, Fishbone or a Comb Pattern of single, double or triple runs.

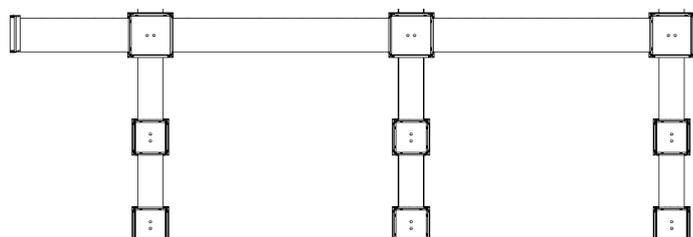
A **Grid Pattern** is widely used in areas where the occupants require the highest degree of flexibility in reorganising work areas. Capacity can be increased by returning individual ring mains through different runs of ducting / trunking, which in itself allows easier installation.



The **Fishbone Pattern** is ideal for a medium sized area where fewer boxes are required.



The **Comb Pattern** is the most economical way of installation where the least ducting / trunking is used. The comb pattern is suitable for medium to small office areas.



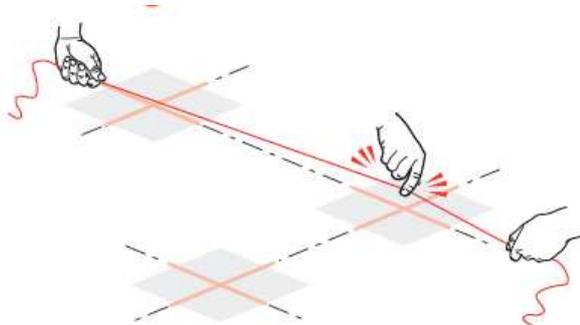
Standards:

The screed System range complies with the relevant requirements of the latest edition and to EN 50085 Part 1 and EN 50085 Part 2-2. Additionally, the floor box complies with EN 60670-23 Parts 1 and 23.

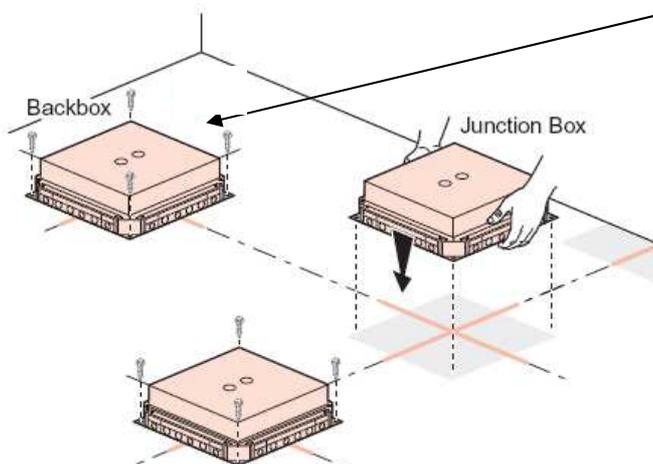
2 INSTALLATION PROCESS

1- Installation

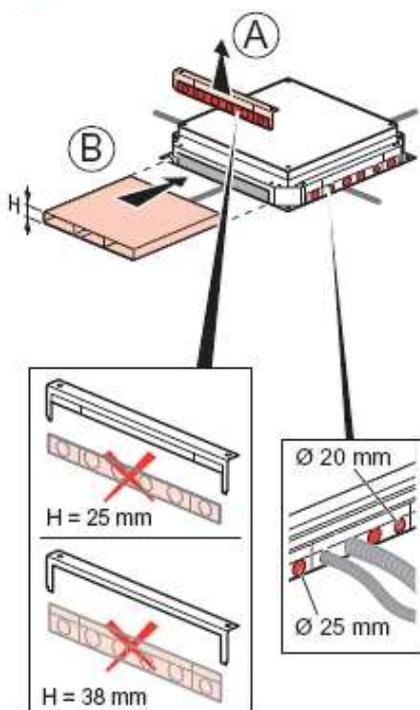
A- Mark the pathway for ducting, junction boxes and backboxes



B- Fix risers, junction boxes and backboxes on the slab

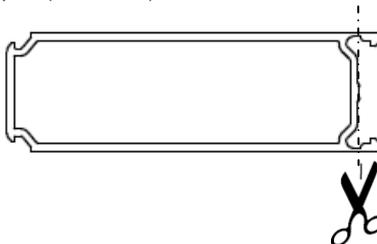


Connect the ducting to the junction box.



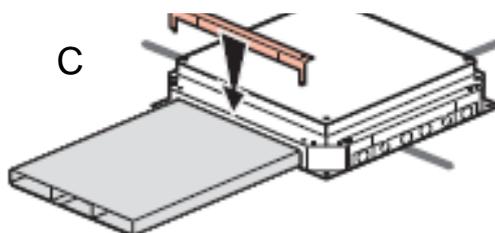
Note:

To connect the PVC ducting with backbox, junction box and riser, cut this part (see below)



For this part of the PVC ducting to fit enter into accessories, it is necessary to cut the clipping profil.

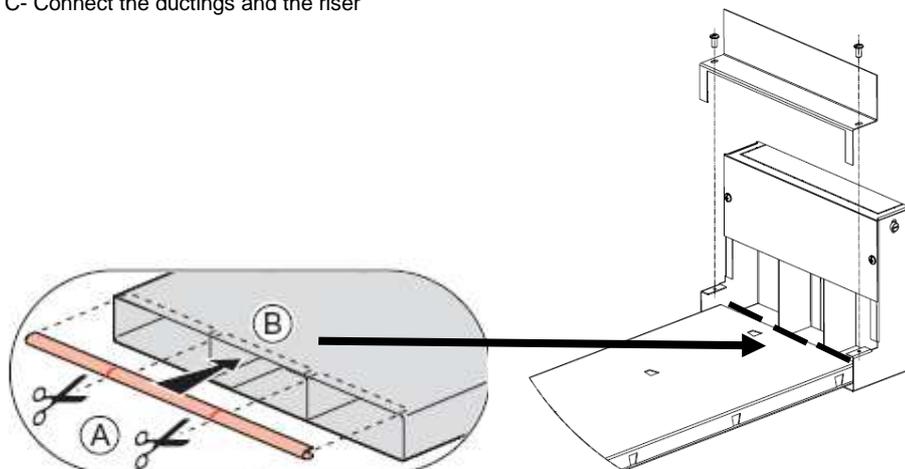
The side plates have to be cut out to fit the required ducting and/or conduits



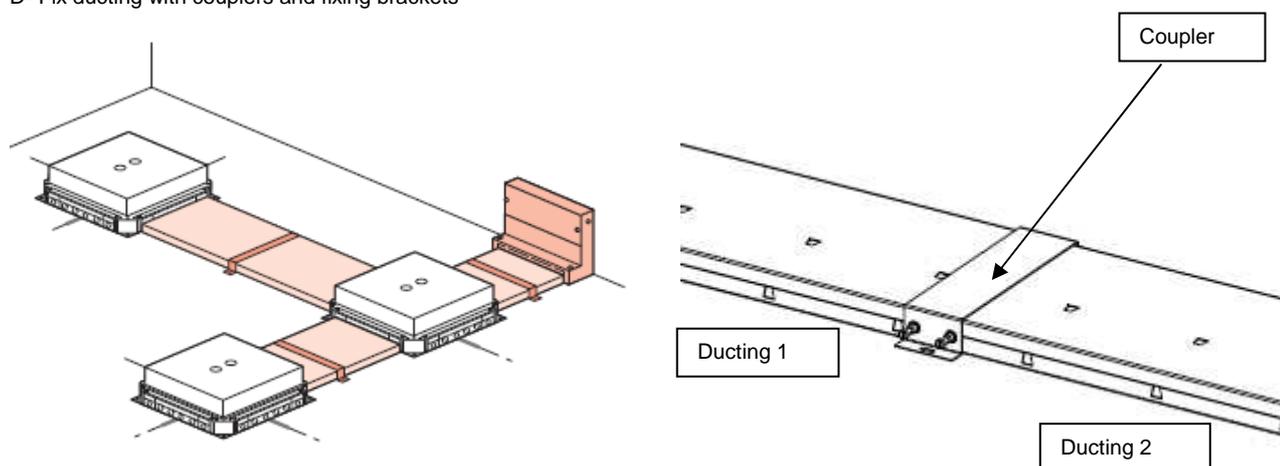
2 INSTALLATION PROCESS (continued)

1- Installation

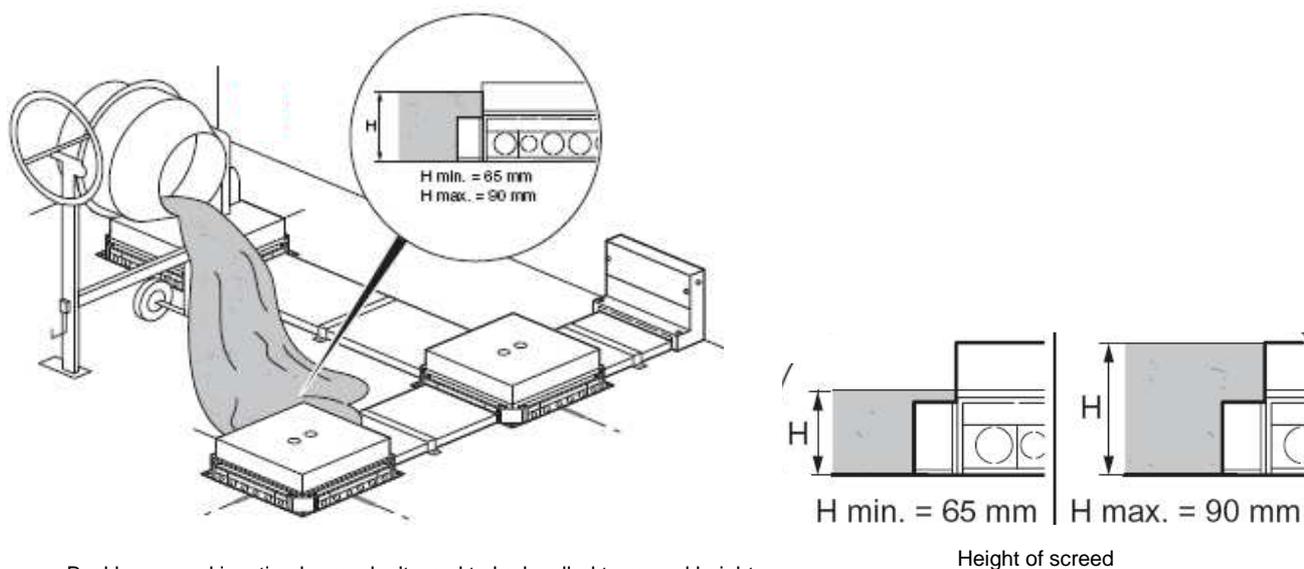
C- Connect the ductings and the riser



D- Fix ducting with couplers and fixing brackets



E- Execute screeding



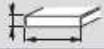
Backboxes and junction boxes don't need to be levelled to screed height.
Height adjustment can be done after pouring screed

Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

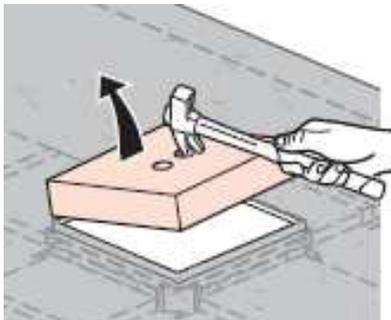
2 INSTALLATION PROCESS (continued)

2- Junction box ref 6897 22/32

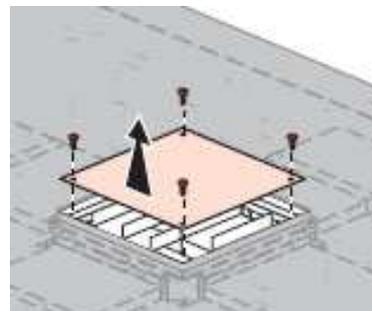
		75 x 25 (mm)	150 x 25 (mm)	225 x 25 (mm)	225 x 38 (mm)	300 x 25 (mm)	300 x 38 (mm)
PVC		6897 00	6897 00 x 2	6897 01	-	6897 00 + 6897 01	-
Metal		-	-	6897 05	6897 06	6897 07	6897 08
Junction box		6897 22				6897 32	

The junction box includes a base, fly-overs, lid and the disposable cover protection. The junction box is designed to suit ductings/conduits and allows cables to be pulled over long distances.

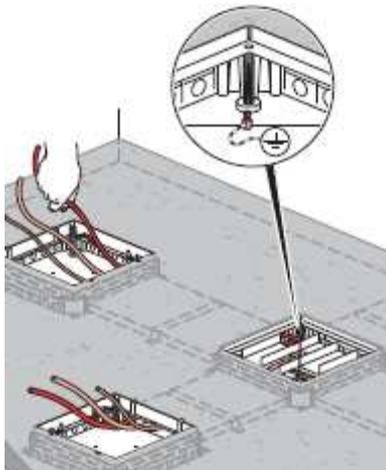
1- Once the screed is dry, remove disposable cover protection



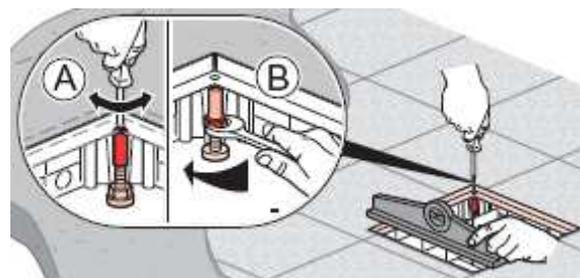
2- Unscrew the lid



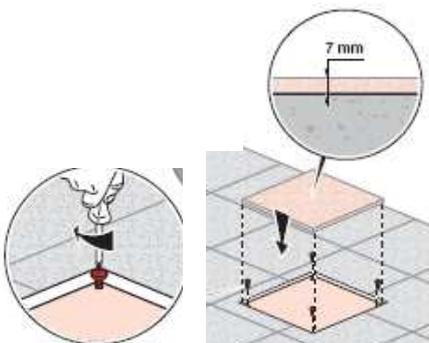
3- install cables and earth the junction box
(Tiling or carpeting should be carried out at this stage)



4 – Adjust junction box to floor level



5- Screw the lid onto the junction box and fit carpet cut onto the lid



Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

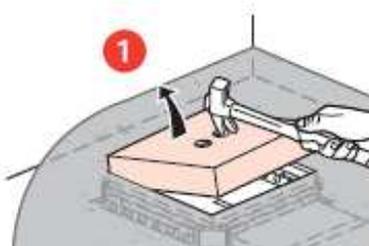
2 INSTALLATION PROCESS (continued)

3- Backbox ref 6896 34/35/45

	 75 x 25 (mm)	 150 x 25 (mm)	 225 x 25 (mm)	 225 x 38 (mm)	 300 x 25 (mm)	 300 x 38 (mm)
PVC	 6897 00	 6897 00 x 2	 6897 01	-	 6897 00 + 6897 01	-
Metal	-	-	 6897 05	 6897 06	 6897 07	 6897 08
Back box	3 compt 		6896 34/35			6896 35
	4 compt 		6896 45			

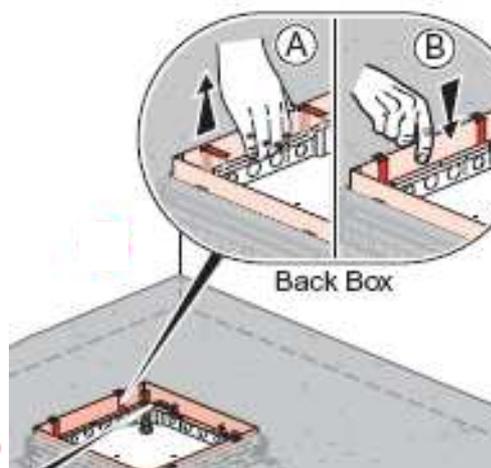
Backboxes are to be used with lid & trim

1- Once the screed is dry, remove disposable cover protection

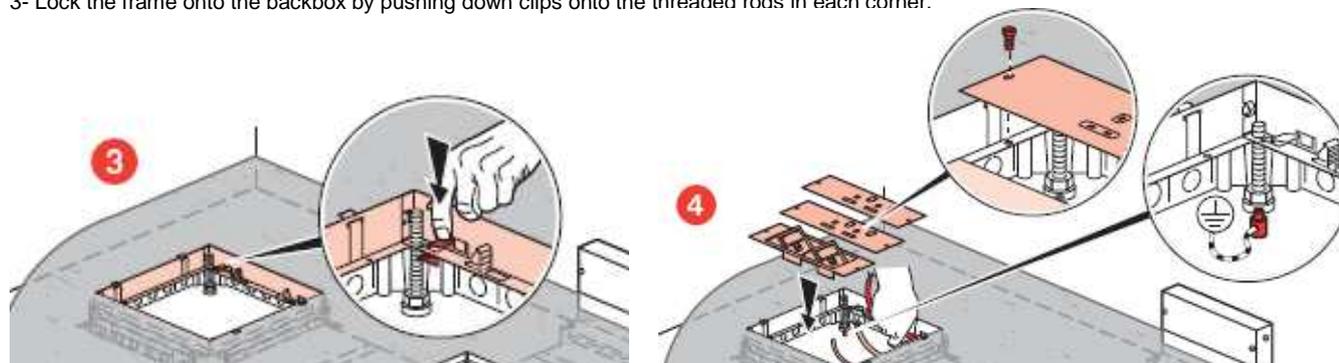


2- To install the backbox:

Lift the frame (A) and retainers will automatically drop out (B).



3- Lock the frame onto the backbox by pushing down clips onto the threaded rods in each corner.



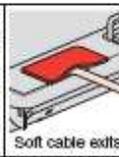
4 – Connect wiring to accessory plates and then fix to the backbox. Finally, earth the system

Screed Floor system

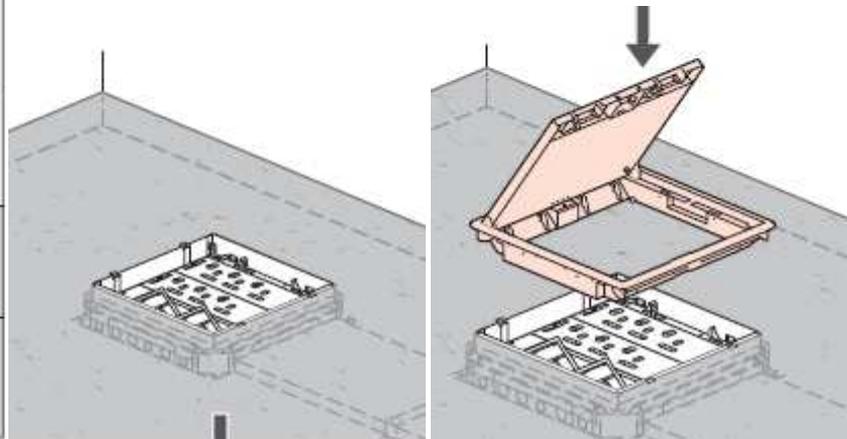
Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

2 INSTALLATION PROCESS (continued)

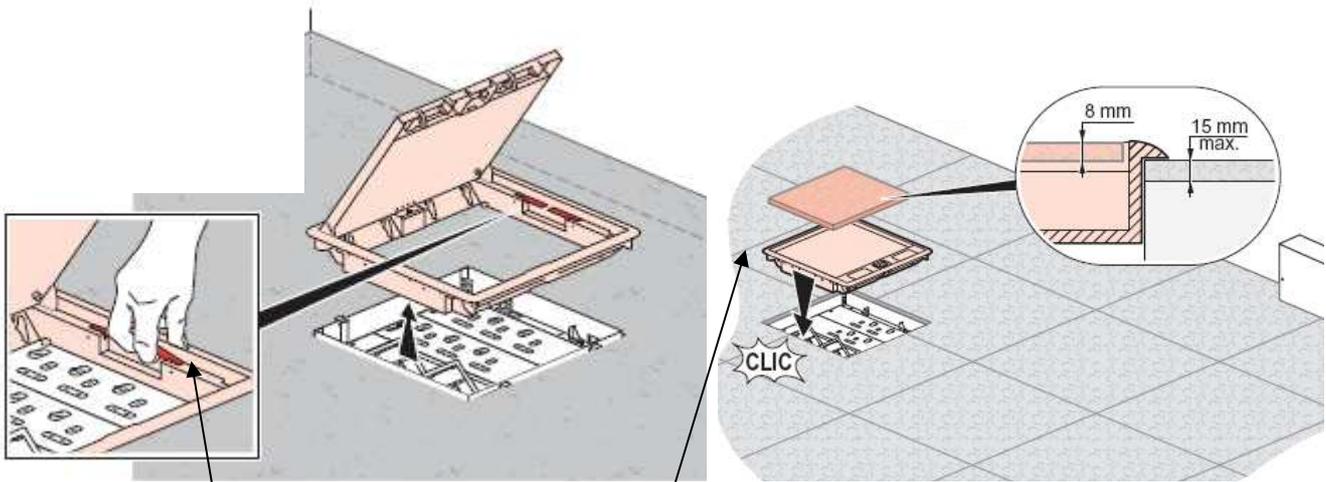
4- Lid & trim ref 6896 30/31/32/33/40/41/42/43

	Lid & Trim		Stainless steel insert
			
			
	Rigid cable exits	Soft cable exits	
3 compt	gray 6896 30	6896 31	6896 92
	beige 6896 32	6896 33	
4 compt	gray 6896 40	6896 41	6896 93
	beige 6896 42	6896 43	

After installing the wiring accessory plates, push down the lid & trim onto the backbox.

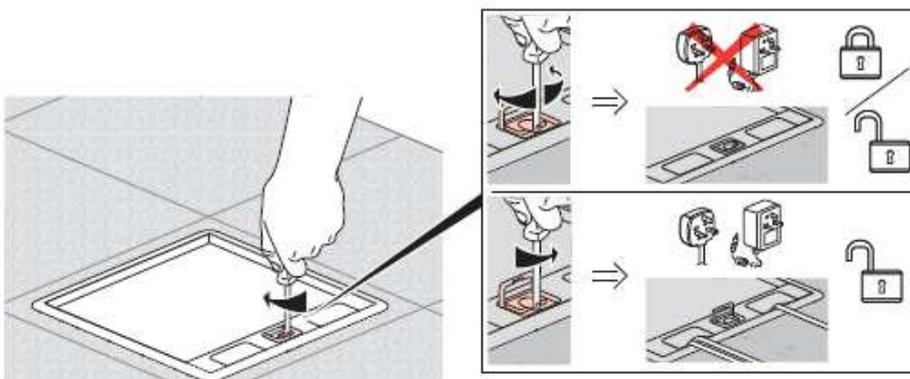


Finally, to install the finished floor:



1 – To fit carpet, pull the levers upwards on both sides to take out the lid and trim.

2 – Fit the carpet and push down the lid and trim on the backbox (push and fit principle)



Locking system:

The floor box can be locked by means of a locking system (hidden under the opening handle); For safety reasons, floor box should not be locked when in use.

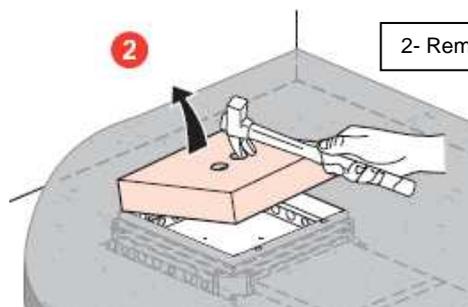
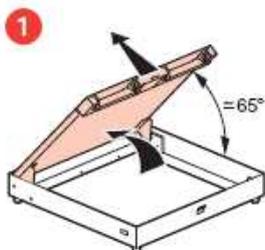
Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

2 INSTALLATION PROCESS (continued)

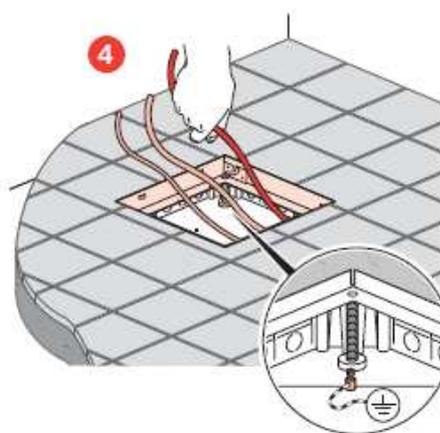
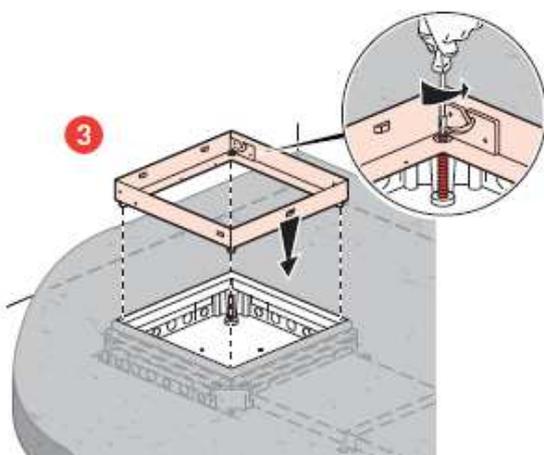
5- Lid & trim for floor box for tiles/marble ref 6896 50/51/52 and 6896 55/56

1- To remove the lid from the trim, hold it under an angle of approximately 65° and pull it out



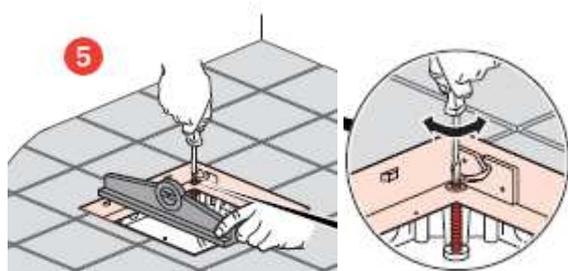
2- Remove site cover protection from backbox

3- Place the trim onto the threaded rods and make a rough adjustment by turning threaded rods in each corner with a screw driver

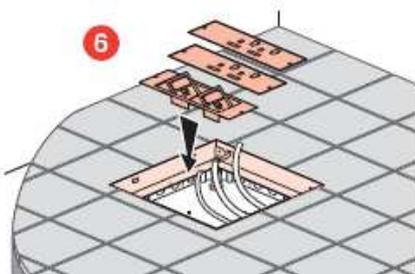


4- Cable the system

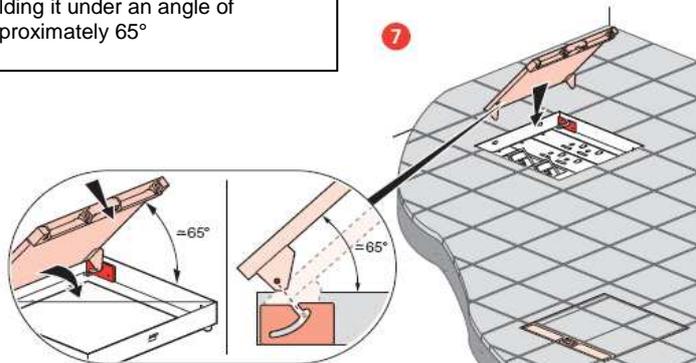
5- Make final adjustment to finished floor level by turning threaded rods in each corner with a screw driver



6- Tiling should be carried out at this stage



7- Push the lid back in place by holding it under an angle of approximately 65°



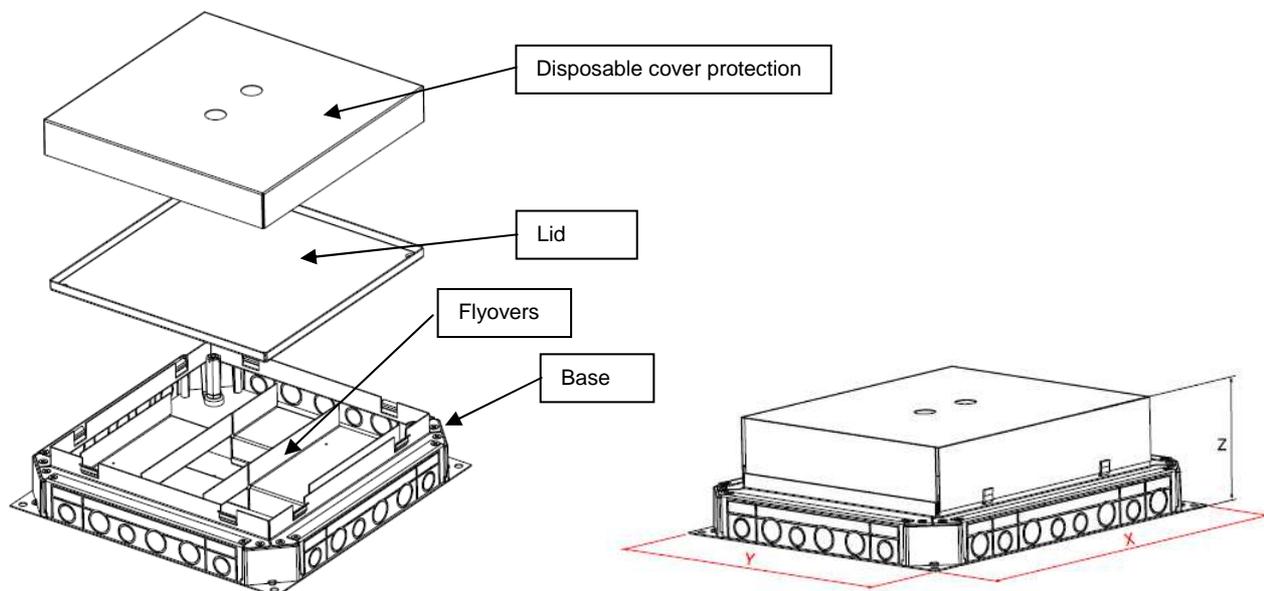
Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

3 PRODUCT DETAILS

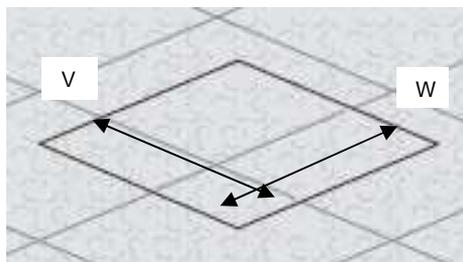
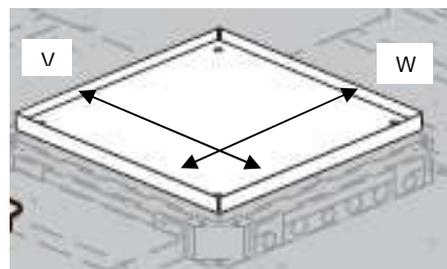
1- Junction Box ref 6897 22/32

The junction box should be positioned directly on the slab. It provides access to cables at the intersection of ductings or changes of direction. The junction box allows deviation of power and data cables. Screed height should be between 65 to 90mm. Junction Boxes are supplied with a base with flyovers, a lid and a disposable cover protection. Side plates are pierced to suit ducting and supplied with knockouts to suit conduits (20 or 25mm diameter).



Dimensions (mm):

Reference	X	Y	Z
6897 22	325	325	90
6897 32	400	400	90



Dimensions (mm) for carpet cut out

Reference	V	W
6897 22	260	260
6897 32	335	335

Dimension to the disposable cover protection		
	A (mm)	B (mm)
6897 22	268	268
6897 32	343	343

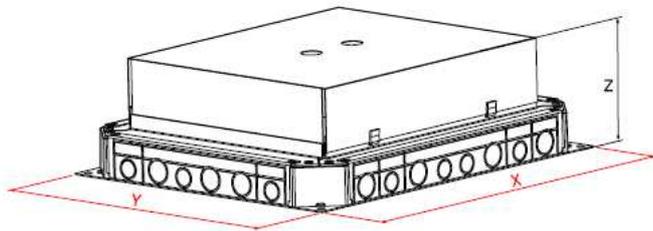
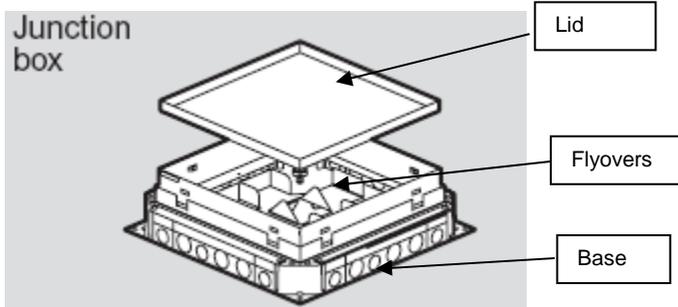
Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

3 PRODUCT DETAILS

2- Junction Box for tiles box ref 6896 09

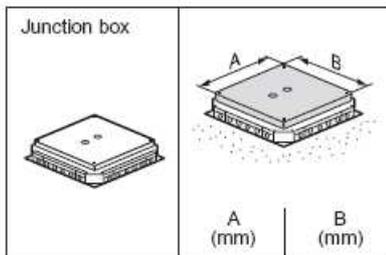
The junction box should be positioned directly on the slab. It provides access to cables at the intersection of ductings or changes of direction. The junction box allows deviation of power and data cables. Screed height should be between 65 to 90mm. Junction Boxes are supplied with a base with flyovers and a lid. Side plates are pierced to suit ducting and supplied with knockouts to suit conduits (20 or 25mm diameter).



Dimensions (mm):

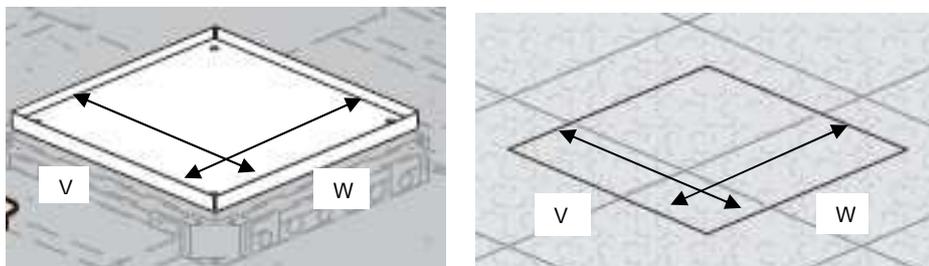
Reference	X	Y	Z
6896 09	325	325	90

Dimension to the disposable cover protection:



A & B = 268x268mm

Dimensions (mm) for carpet cut out



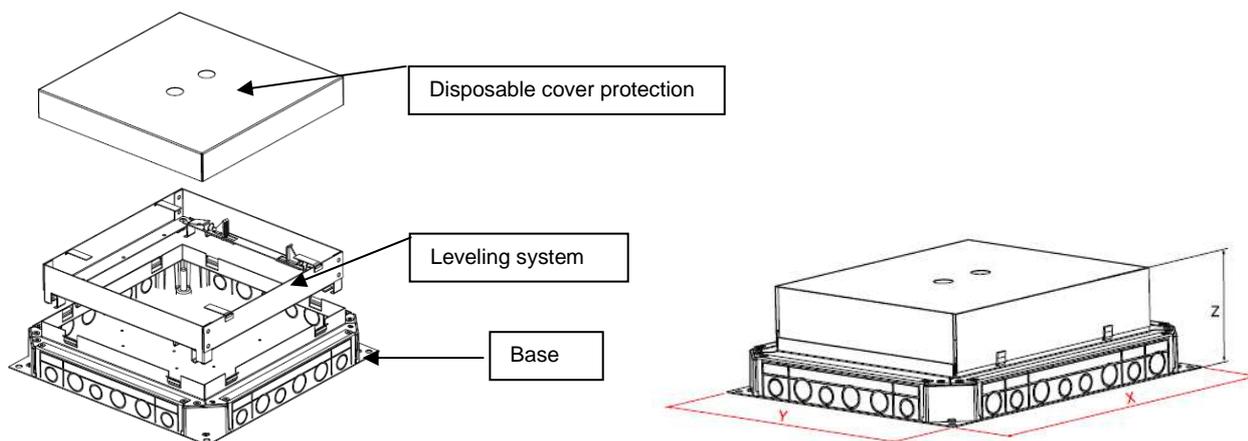
Reference	V	W
6896 09	260	260

3 PRODUCT DETAILS (continued)

3- Backbox ref 6896 34/35/45

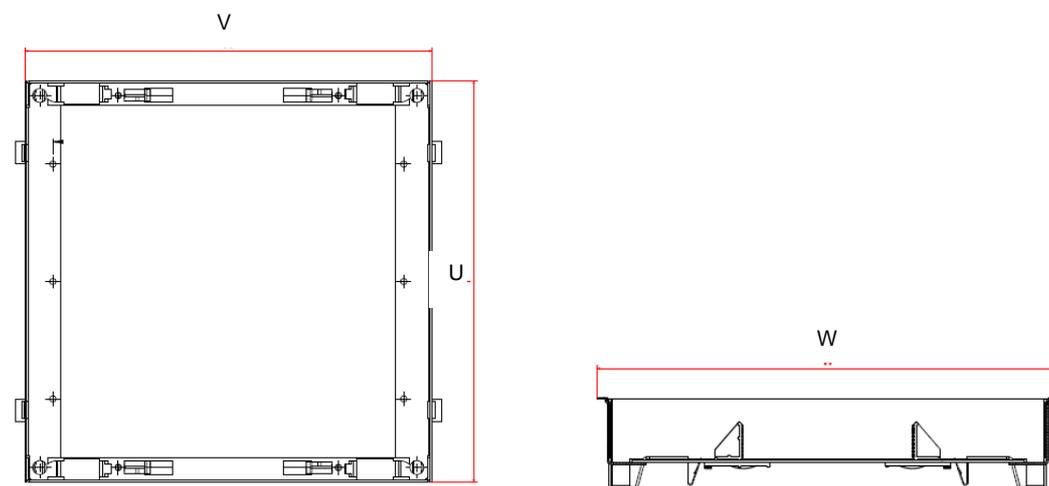
The backbox should be fixed directly on the slab.
The backbox has to be equipped with wiring accessory plates and lid & trim.

The backbox allows deviation of power and data cable:
Adjustable height from 65 to 90mm.
Side plates are pierced to suit ducting and are supplied with knockouts to fit conduits (20 or 25mm diameter).
Backboxes consist of a base, levelling system and a disposable cover protection



Dimensions backbox (mm):

Reference	X	Y	Z
6896 34	325	325	90
6896 35	400	400	90
6896 45	325	400	90



Dimensions metal frame (mm):

Reference	W	V	U
6896 34/089604	276	264	264
6896 35	276	264	264
6896 45	276	264	343

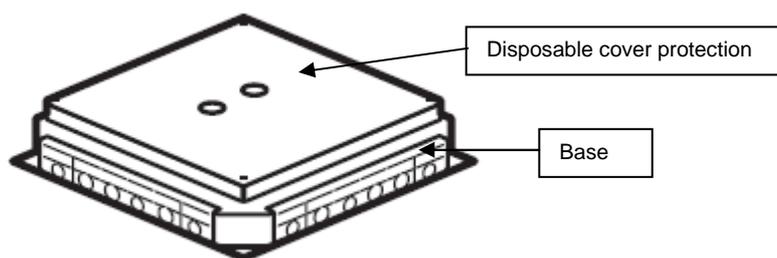
Note: dimensions of the different positions of the metallic frame in the backbox can be found on the page 25 (technical characteristics)

3 PRODUCT DETAILS (continued)

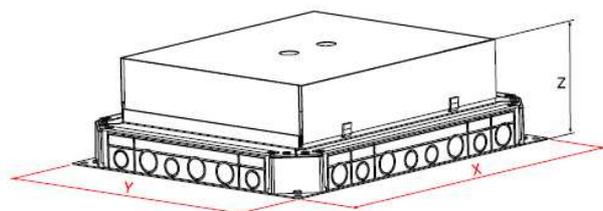
4- Backbox for tiles box ref 089604

The backbox should be fixed directly on the slab.
The backbox has to be equipped with wiring accessory plates and lid & trim.

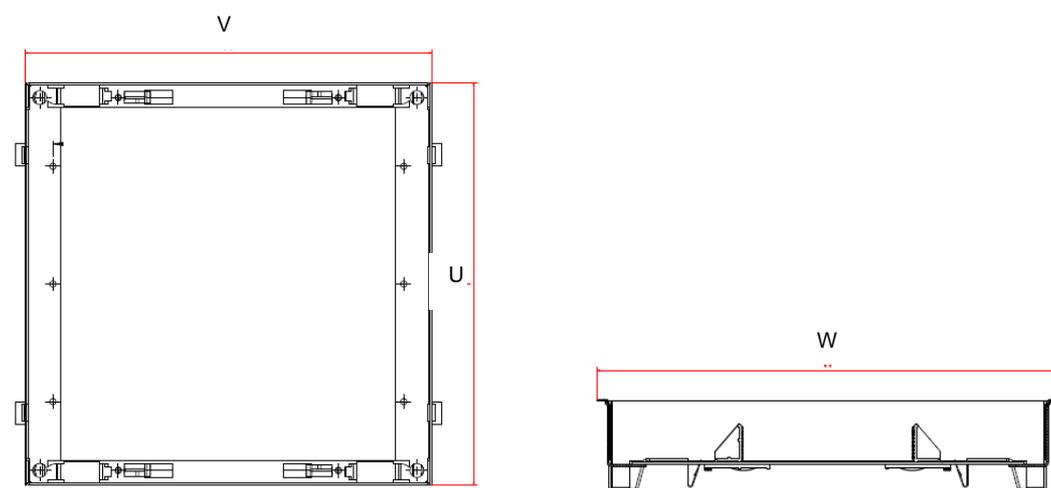
The backbox allows deviation of power and data cable:
Adjustable height from 65 to 90mm.
Side plates are pierced to suit ducting and are supplied with knockouts to fit conduits (20 or 25mm diameter).
Backboxes consist of a base, levelling system and a disposable cover protection



Dimensions backbox (mm):



Reference	X	Y	Z
089604	325	325	90



Dimensions metal frame (mm):

Reference	W	V	U
089604	276	264	264

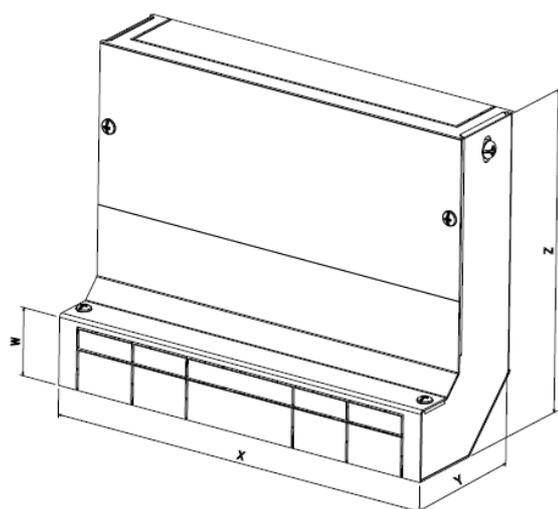
Note: dimensions of the different positions of the metallic frame in the backbox can be found on the page 25 (technical characteristics)

3 PRODUCT DETAILS (continued)

5- Riser ref 6897 23/28/33/38

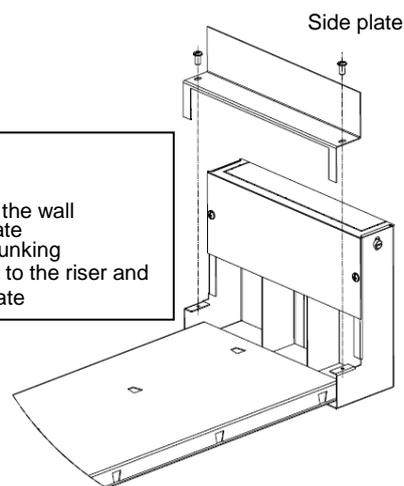
The riser allows a change of direction (horizontal to vertical) of the ducting.
Conduit or ducting can be run vertically from the box

Use for ducting	Reference
150/225x25/38mm PVC or metal	6897 23
300x25/38mm PVC or metal	6897 33



Installation of the riser:

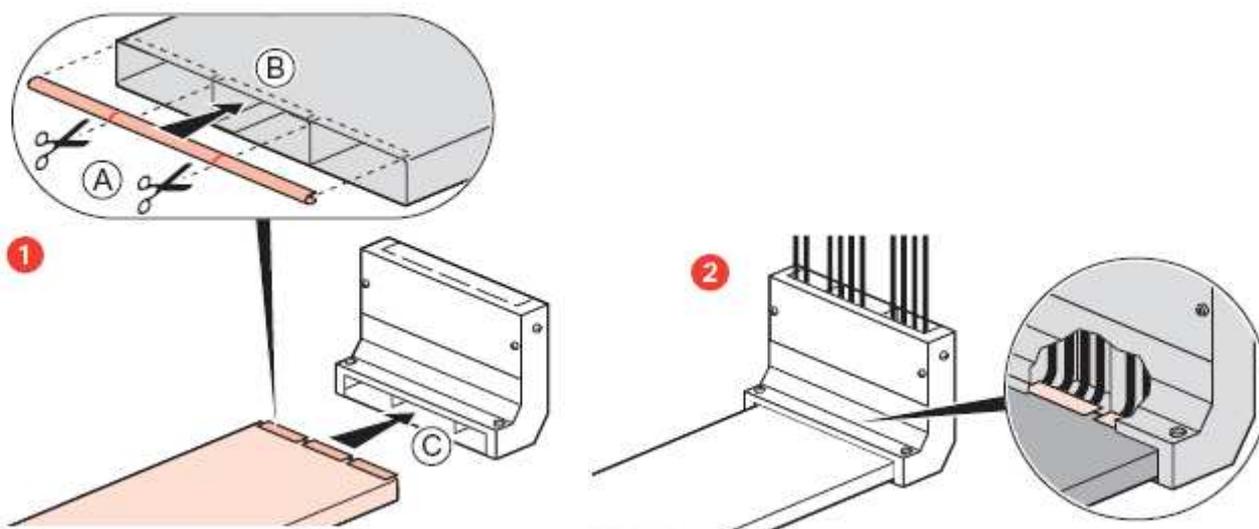
- 1- Fix the riser against the wall
- 2- unscrew the side plate
- 3- fit a gasket on the trunking
- 4- Connect the ducting to the riser and screw back the side plate



Dimensions (mm):

Reference	W	X	Y	Z
6897 23	43	250	89	201
6897 33	43	325	89	201

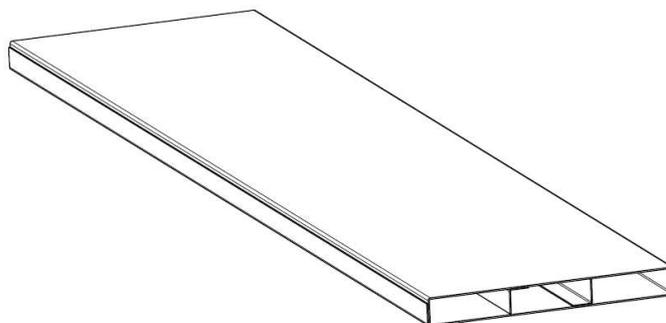
In order to protect cables, a gasket (provided with the riser) should be fitted on the trunking as shown below:



3 PRODUCT DETAILS (continued)

6- Ductings ref 6897 00/01/05/06/07/08

			Fixing braket	Coupler
	75 x 25 (mm) PVC	6897 00		
			6897 10	6897 11
	150 x 25 (mm) PVC	2 x 6897 00	6897 15	6897 16
	225 x 25 (mm) PVC	6897 01	6897 20	6897 21
	225 x 25 (mm) Metal	6897 05		
	225 x 38 (mm) Metal	6897 06	6897 25	6897 26
	300 x 25 (mm) Metal	6897 07	6897 30	6897 31
	300 x 25 (mm) PVC	6897 00 + 6897 01		
	300 x 38 (mm) Metal	6897 08	6897 35	6897 36



225x38 metal ducting

Metal ducting:

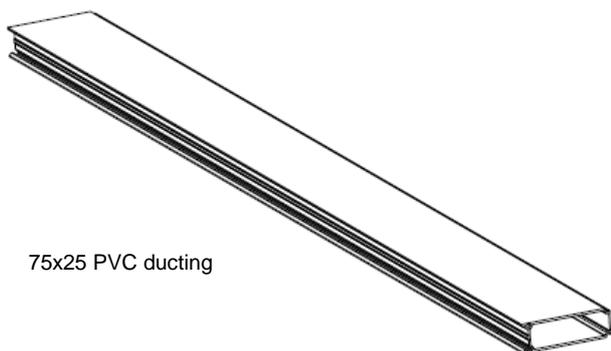
Provides EMC Screening
Manufactured from pre-galvanised sheet steel
Delivered in standard length 2.44m
Number of compartments: 3 compartments
Standard depth: 25mm and 38mm
Thickness: 1mm for dividers/1.2mm for ducting

PVC ducting :

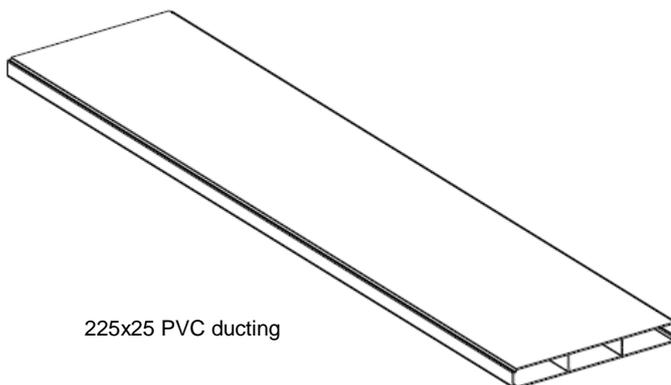
Clipping system
Provides EMC screening
To combine with junction box or backbox.
Delivered in standard length 2m
Standard depth: 25mm
Thickness: 1mm for partitions/1.2mm for ducting

Note:

Can be joined (clipping system) to make a number of compartments to suit the required width (maximum 4 compartments)



75x25 PVC ducting

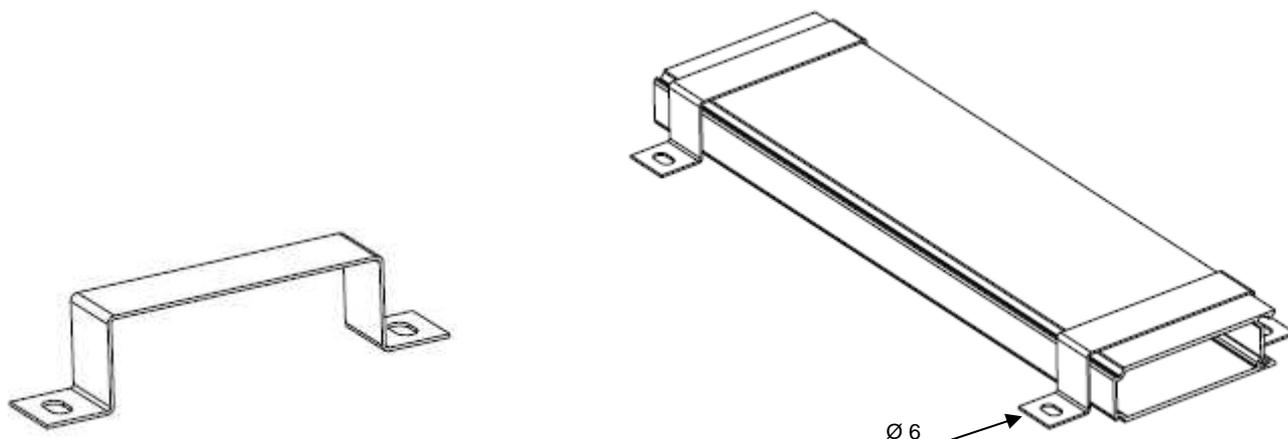


225x25 PVC ducting

For 2 compartments	2 x ref 6897 00
For 3 compartments	1 x ref 6897 01
For 4 compartments	1 x ref 6897 01 and 1 x ref 6897 00

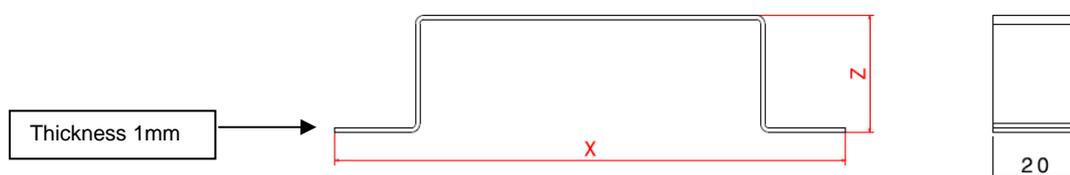
3 PRODUCT DETAILS (continued)

7- Fixing bracket ref 6897 10/15/20/25/30/35



For fixing ducting onto the slab.

Used for ducting	Reference
75x25mm PVC	6897 10
150x25mm PVC	6897 15
225x25mm PVC or metal	6897 20
225x38mm metal	6897 25
300x25mm PVC or metal	6897 30
300x38mm metal	6897 35

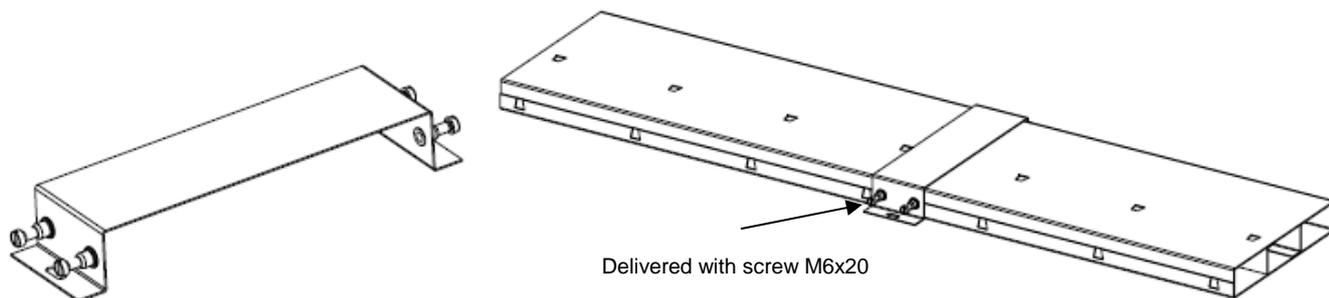


Dimensions (mm):

Reference	X	Z
6897 10	120	26.5
6897 15	194	26.5
6897 20	267	26.5
6897 25	267	39.5
6897 30	342	26.5
6897 35	342	39.5

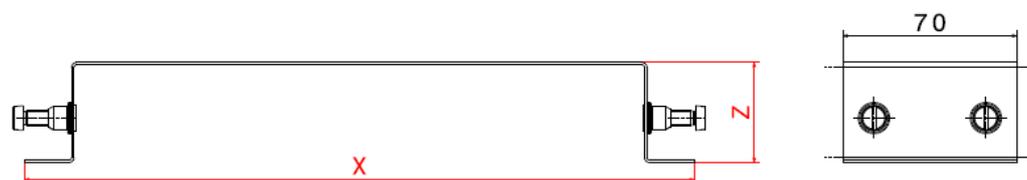
3 PRODUCT DETAILS (continued)

8- Coupler ref 6897 11/16/21/26/31/36



To join two ducting lengths
To be fixed directly onto the slab (\varnothing 6)

Used for ducting	Reference
75x25mm PVC	6897 11
150x25mm PVC	6897 16
225x25mm PVC or metal	6897 21
225x38mm metal	6897 26
300x25mm PVC or metal	6897 31
300x38mm metal	6897 36

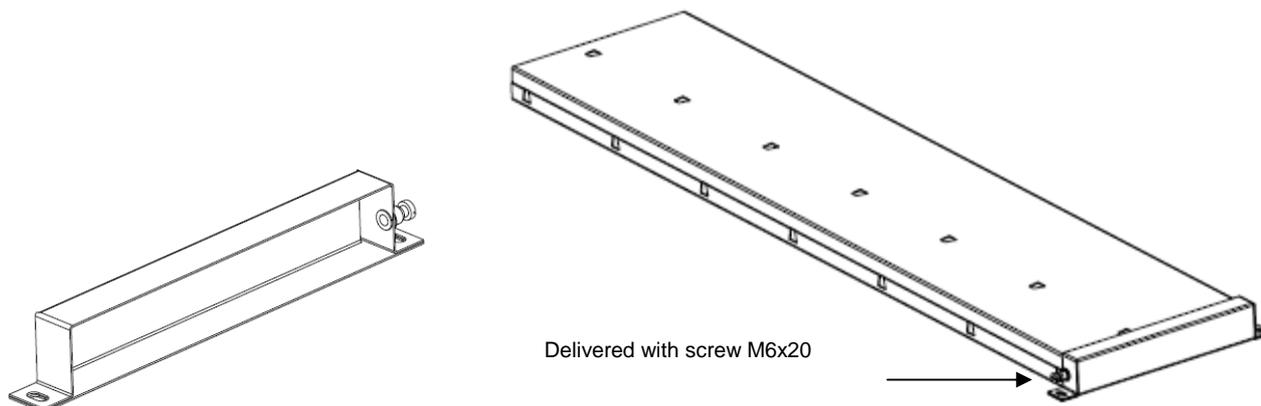


Dimensions (mm):

Reference	X	Z
6897 11	121.5	26.5
6897 16	196	26.5
6897 21	269.5	26.5
6897 26	269.5	39.5
6897 31	343.5	26.5
6897 36	343.5	39.5

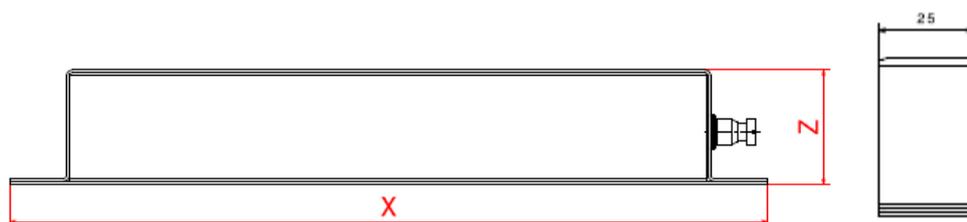
3 PRODUCT DETAILS (continued)

9- End cap ref 6897 14/19/24/29/34/39



To be fixed directly onto the slab (\varnothing 6)

Used for ducting	Reference
75x25mm PVC	6897 14
150x25mm PVC	6897 19
225x25mm PVC or metal	6897 24
225x38mm metal	6897 29
300x25mm PVC or metal	6897 34
300x38mm metal	6897 39



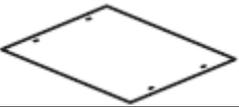
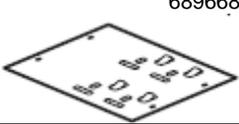
Dimensions (mm):

Reference	X	Z
6897 14	121	26.5
6897 19	197	26.5
6897 24	270	26.5
6897 29	270	39.5
6897 34	345	26.5
6897 39	345	39.5

3 PRODUCT DETAILS (continued)

10- Wiring Accessory Plates

Standard Plates compatible with all backboxes.

6896 62		Wiring Accessory Plate - 77mm - blank
6896 63		Wiring Accessory Plate - 154mm - double
6896 65		Wiring Accessory Plate - 77mm - twin unswitched socket 13 A
6896 66		Wiring Accessory Plate - 77mm - twin switched socket double pole 13 A
6896 67		Wiring Accessory Plate - 77mm - twin switched socket clean earth 13 A
689668		Wiring Accessory Plate - 154mm - 2 twin switched sockets double pole 13 A
6896 69		Wiring Accessory Plate - 77mm - twin switched socket staggered double pole
6896 70		Wiring Accessory Plate - 77mm - 2x6C knockouts
6896 71		Wiring Accessory Plate - 77mm - 4x6C knockouts
6896 72		Wiring Accessory Plate - 77mm - 2x1mod Artéor
6896 73		Wiring Accessory Plate - 77mm - 2x2mod Artéor
6896 74		Wiring Accessory Plate - 77mm - 3x2mod Artéor
6896 75		Wiring Accessory Plate - 77mm - 2x6C knockouts wave
6896 76		Wiring Accessory Plate - 77mm - 4x6C knockouts wave
6896 77		Wiring Accessory Plate - 77mm - 2x3mod Artéor
6896 78		Wiring Accessory Plate - 77mm - 2x2mod Artéor wave

Dimensions for wiring accessory plates: single plate 237x77mm, double plate 237x154mm
Single and double Plates are supplied with epoxy power coating Silver Grey colour

Wiring accessory plates are delivered with 2 screws M3x8
Designed to be compatible with Cat 6 structured cabling systems.
Earth the wiring accessory plates by using the screw on bottom side



Earth marking

Technical information sockets :

- Mechanism Synergy
- 250V
- Terminal screws
- Compact mechanism for easy fitting
- British standard 1363-2

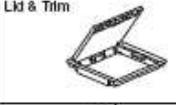
Note: Staggered Wiring Accessory Plate to avoid interference of plug cords.

Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

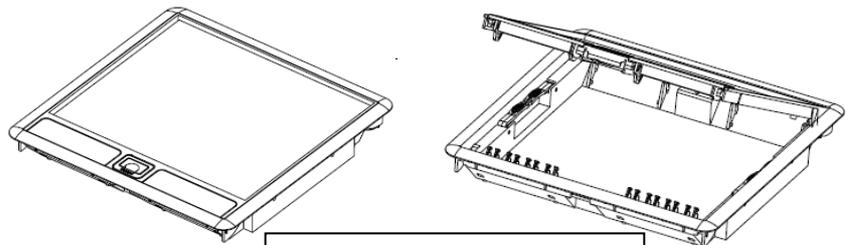
3 PRODUCT DETAILS (continued)

11- Lid & trim ref 6896 30/31/32/33/40/41/42/43

	Lid & Trim		Stainless steel insert
			
			
	Rigid cable exits	Soft cable exits	
3 compt	gray 6896 30	6896 31	6896 92
	beige 6896 32	6896 33	
4 compt	gray 6896 40	6896 41	6896 93
	beige 6896 42	6896 43	

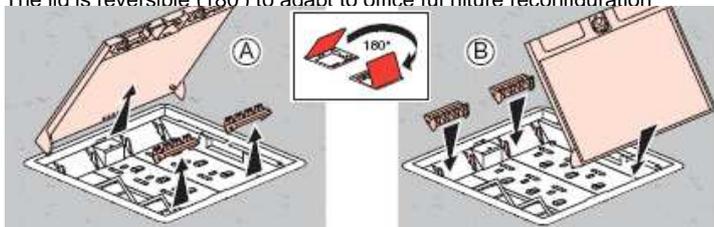
2 colours are available for lid & trim:

- Grey RAL 7031 (for ref 6896 30/31/40/41)
- Beige RAL 1019 (for ref 6896 32/33/42/43)

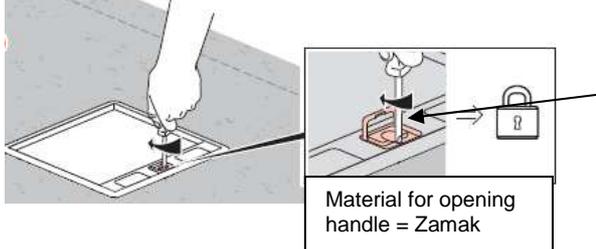


3 compartments & 4 compartments

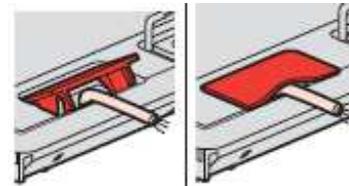
The lid is reversible (180°) to adapt for future reconfiguration



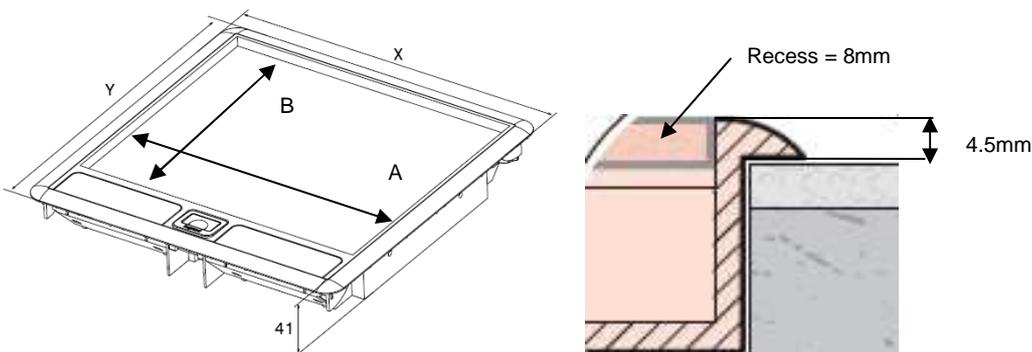
The lid & trim can be locked (floor box should not be locked when in use)



Material for opening handle = Zamak



Rigid and flexible cable exits: Maximum cable capacity 4 cables Ø 7mm + 3 cables Ø 11mm



Dimensions (mm):

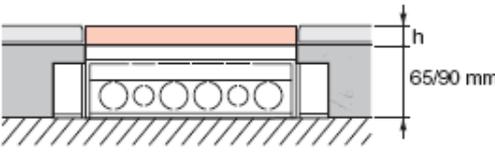
Reference	X	Y	A	B
6896 30/31/32/33	280	280	245.5	210
6896 40/41/42/43	357	280	322	210

Screed Floor system

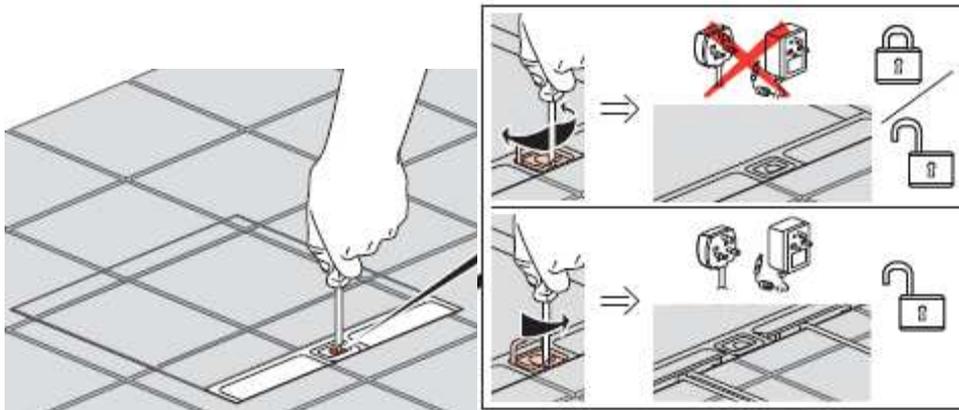
Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

3 PRODUCT DETAILS (continued)

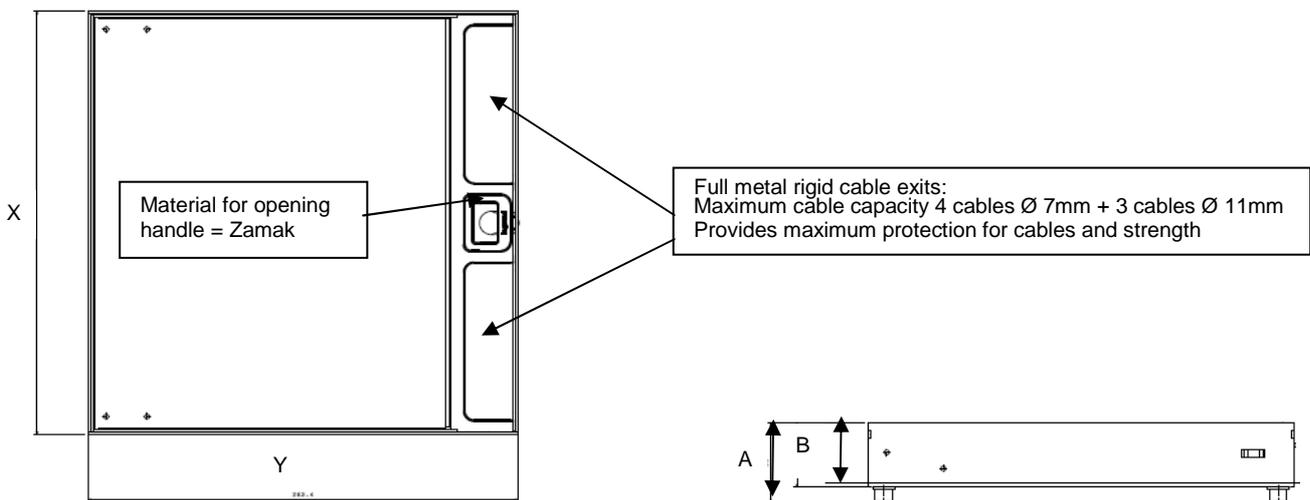
12- Lid & trim for floor box for tiles/marble ref 6896 50/51/52

	75 x 25 (mm)	150 x 25 (mm)	225 x 25 (mm)	225 x 38 (mm)		
PVC	 6897 00	 6897 00 x 2	 6897 01	-		h 65/90 mm
Metal	-	-	 6897 05	 6897 06		
	6896 50				h (mm)	8
	6896 51					8 - 15
	6896 52					15 - 22

The floor box can be locked by means of a locking system on the lid (hidden under the opening handle)
For safety reasons, floor box should not be locked when in use



Dimensions (in mm)



Dimensions (mm):

Reference	X	Y	A	B
6896 50	264	264	50	40
6896 51	264	264	57	47
6896 52	264	264	64	54

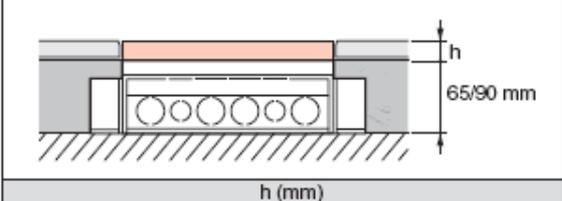
Material of floor boxes for tiles/marble: stainless steel material AISI 304

Screed Floor system

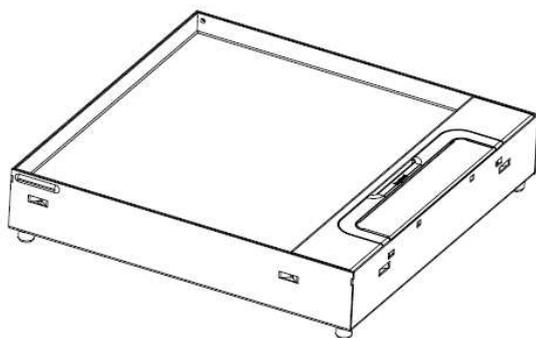
Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

3 PRODUCT DETAILS (continued)

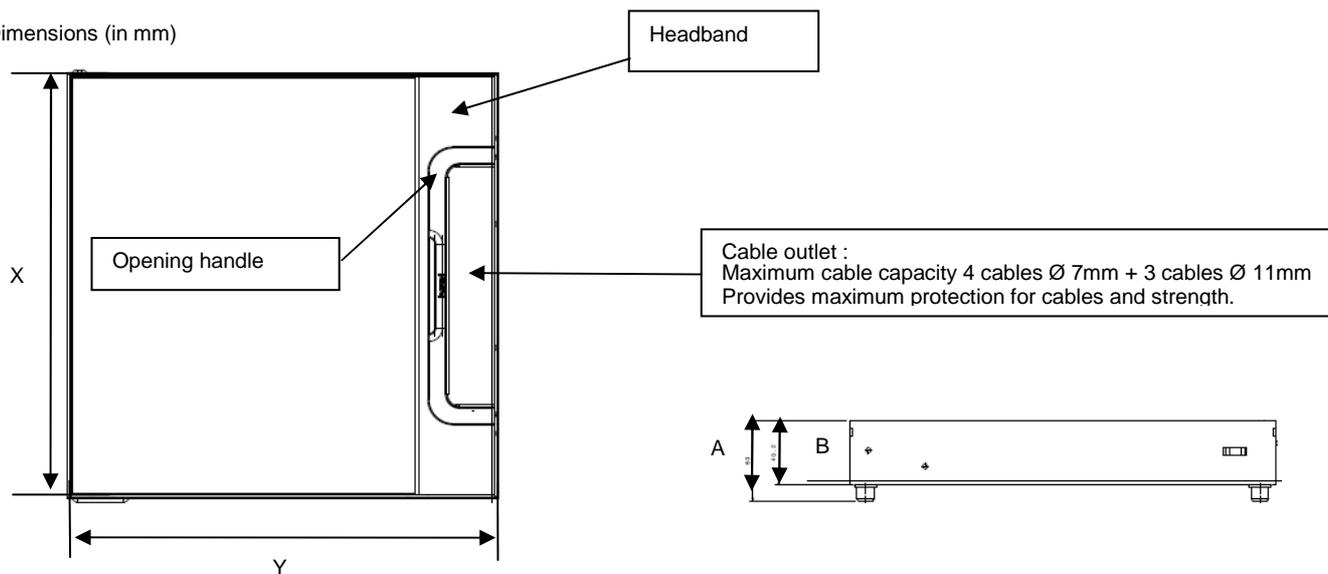
13- Lid & trim for floor box for tiles/marble ref 6896 55/56

	75 x 25 (mm)	150 x 25 (mm)	225 x 25 (mm)	225 x 38 (mm)	
PVC	 6897 00	 6897 00 x 2	 6897 01	-	 h (mm)
Metal	-	-	 6897 05	 6897 06	

H= 8-15mm



Dimensions (in mm)



Dimensions (mm):

Reference	X	Y	A	B
6896 55/56	264	264	57	47

Material of floor boxes for tiles/marble: galvanised steel (DX51D Z275 MAC)

Material for Headband and Cable outlet:

Ref 6896 55: galvanised steel + paint Silver Grey colour

Ref 6896 56: stainless steel 304

Material for Opening handle:

Ref 6896 55: Zamak + paint Silver Grey colour

Ref 6896 56: Zamak + send blasting + varnish

Note:

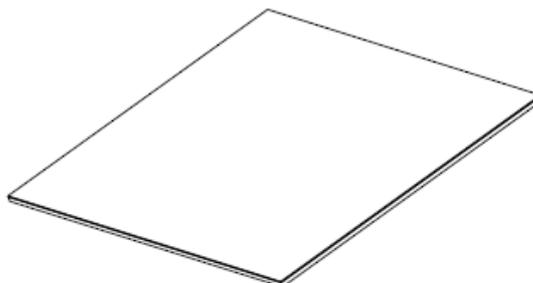
Junction box for tiles box, look on page 12

Backbox for tiles box, look on page 14

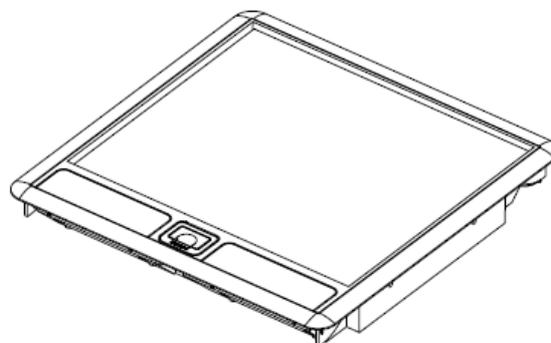
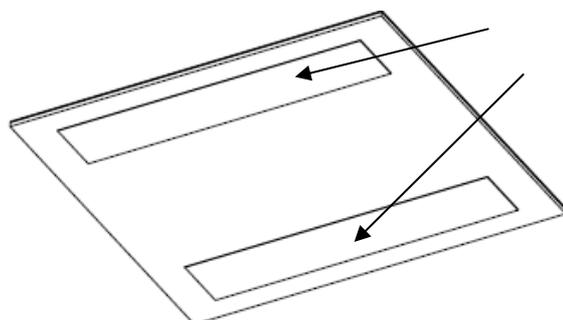
3 PRODUCT DETAILS (continued)

14- Insert for lid & trim ref 6896 92/93

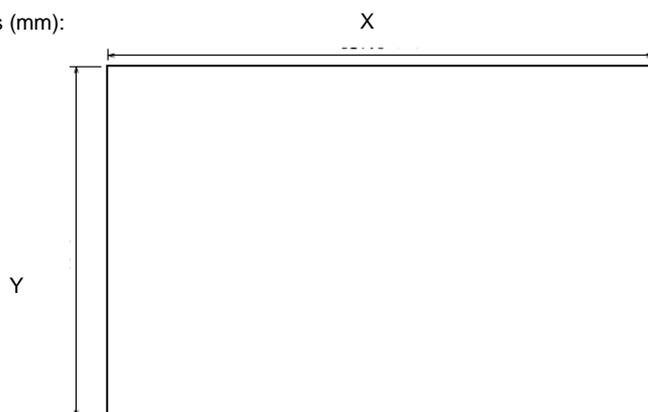
	Lid & Trim		Stainless steel insert
			
	Rigid cable exits	Soft cable exits	
3 compt	gray 6896 30	6896 31	6896 92
	beige 6896 32	6896 33	
4 compt	gray 6896 40	6896 41	6896 93
	beige 6896 42	6896 43	



The stainless steel insert allows a perfect finishing of the lid & trim cover.
In order to fit the stainless steel insert onto the lid, use the double side (adhesive x2) tape provided



Dimensions (mm):



Thickness: 7mm

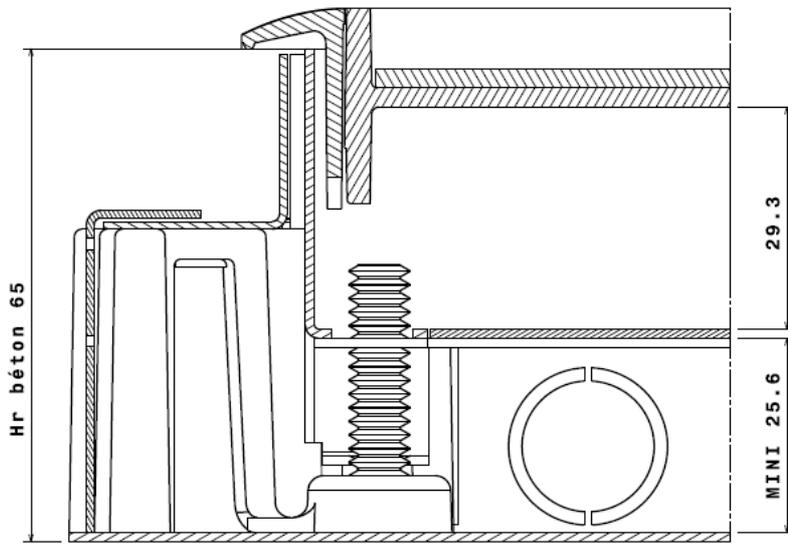
Reference	X	Y
Lid & trim 3 compt	245.5	210
Lid & trim 4 compt	322	210

Cleaning:

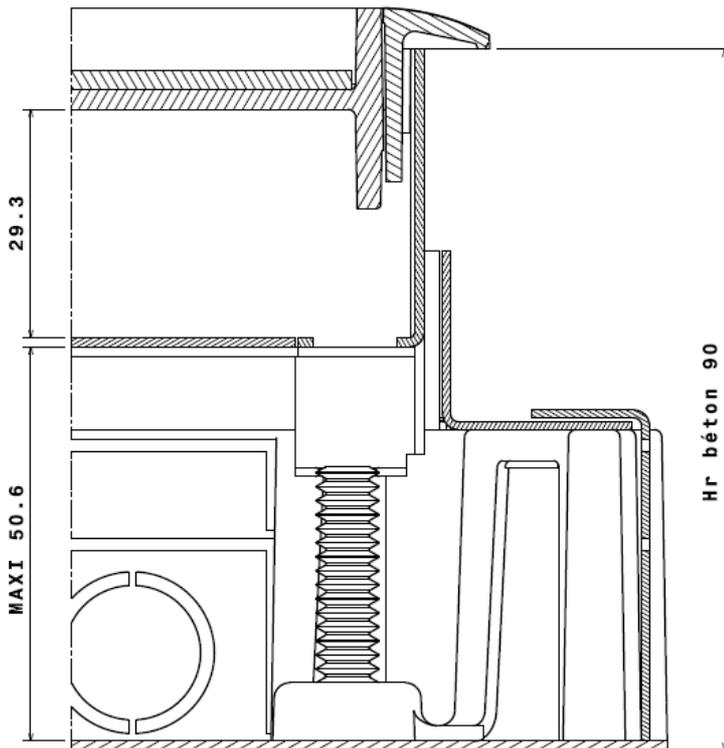
The exterior should only be cleaned using a cleaner degreaser.

4 TECHNICAL CHARACTERISTICS

Assembly metal frame in the backbox screed Height 65mm



Assembly metal frame in the backbox screed Height 90mm



Screed Floor system

Number(s) : 6897 00/01/05/06/07/08/10/11/14/15/16/19/20/21/22,
6897 23/24/25/26/29/30/31/32/33/34/35/36/39, 0 896 04
6896 09/30/31/32/33/34/35/40/41/42/43/45/50/51/52/55/56/92/93

4 TECHNICAL CHARACTERISTICS (continued)

Classification for screed floor (standard EN 50085-2-2)

6.2 Resistance to impact for installation and application	2.0J
6.3 Minimum storage and transport temperature	- 25°C
6.3 Minimum installation and application temperature	- 5°C
6.3 Maximum application temperature	+ 60°C
6.4 Resistance to flame propagation	Non-flame propagating
6.5 Electrical continuity characteristic	Without electrical continuity characteristic (PVC ducting) With electrical continuity characteristic (Metal ducting & accessories)
6.6 Electrical insulating characteristic	With electrical insulating characteristic (PVC ducting) Without electrical insulating characteristic (Metal ducting & accessories)
6.7 Degrees of protection provided by enclosure	IP 20
6.9 The system access cover retention	With a tool
6.101 Floor treatment	for dry-treatment of floor
6.102 Resistance to vertical load applied through small surface area	1500 N*
6.103 Optional classification: resistance to vertical load applied through large surface area	3 000 N
Rated voltage (PVC ducting)	500V
Protection against mechanical impact	IK08
Linear impedance in mΩ/m of metal ducting length	5 mΩ/m

*for 4 compartment, resistance to vertical load applied over a small surface area = 750N

Composition and functions for screed floor system:

	Fixing bracket	Coupler	Junction box	Riser	End cap	Backbox		
75 x 25 (mm) PVC	6897 00	6897 10	6897 11	-	-	6897 14	3 compt	4 compt
150 x 25 (mm) PVC	2 x 6897 00	6897 15	6897 16	-	-	6897 19	-	-
225 x 25 (mm) PVC	6897 01	6897 20	6897 21	6897 22	6897 23	6897 24	6896 34 or 6896 35	6896 45
225 x 25 (mm) Metal	6897 05	6897 25	6897 26	-	-	6897 29	-	-
225 x 38 (mm) Metal	6897 06	6897 25	6897 26	-	-	6897 29	-	-
300 x 25 (mm) Metal	6897 07	6897 30	6897 31	6897 32	6897 33	6897 34	6896 35	6896 45
300 x 25 (mm) PVC	6897 00 + 6897 01	6897 30	6897 31	6897 32	6897 33	6897 34	6896 35	6896 45
300 x 38 (mm) Metal	6897 08	6897 35	6897 36	6897 32	6897 33	6897 39	6896 35	6896 45

	Lid & Trim	Stainless steel insert
3 compt	gray 6896 30 beige 6896 32	6896 31 6896 33
4 compt	gray 6896 40 beige 6896 42	6896 41 6896 43
		6896 92 6896 93



Ref 6896 50/51/52/55/56

To earth the system:

Distance between two junction boxes should not exceed 4.88m (two trunking lengths)

Metal trunking and Accessories:		
CAT N°	Designation	to earth the system
689705	Trunking	Yes
689706	Trunking	Yes
689707	Trunking	Yes
689708	Trunking	Yes
689722	Junction box	Yes
689732	Junction box	Yes
689609/34 089604	Backbox 3 compt	Yes
689635	Backbox 3 compt	Yes
689645	Backbox 4 compt	Yes

Note: earth the wiring accessory plates (by using the screw on bottom side) page 18