

Uptec is a universal, adjustable pedestal for outdoor raised floor installations, specifically indicated for 2 cm - 3/4" ceramic tile. Uptec launches the 3-in-1 revolution, 3 articles (3 base codes: **SUPAL**, **SUPAS** and **SUPAR**) in only one system. The three products work seamlessly with 3 accessories (3 codes: **SUPA2**, **SUPA4** and **SUPAW**) designed for standard installations (2 mm - 3/32" and 4 mm - 5/32" tile joints) or for wood and aluminum joists. The rubber, interchangeable accessories guarantee a sound dampening, non-slip system. Uptec allows you to reach the desired floor height by simply adding **SUPAR** spacer rings; an ingenious locking disc lets you easily change from a self-leveling head to a fixed head.



3 in 1



Innovative 3-in-1 system designed to complete installations of different heights with one single product.

SUPAR



Add or remove a SUPAR ring to change the pedestal height

Self
leveling
Fixed



Simple mechanism to change from a self-leveling head to a fixed head

- 01. Uptec - Product information**

 - Components
 - Product and kit codes
 - Assembly and disassembly of elements
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 - Preliminary procedures

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- 05. Uptec - Installation instructions for decking on joists**

 - Installing decking on Aluminum joists

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- 06. Uptec - Installation instructions for wood floor on wood joists**

 - Installing wood flooring on Wood joists

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 - Testing

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3 PRODUCTS

SUPAL
Low pedestal



28÷43 mm
1-3/32"÷1-11/16"

SUPAS
Standard pedestal



43÷58 mm
1-11/16"÷2-9/32"

SUPAR
Modular ring



+ 30 mm
+ 1-3/16"

3 ACCESSORIES + ADJUSTMENT KEY

SUPA2

For ceramic tile
installations



for 2 mm joints
3/32"

SUPA4

For ceramic tile and tile
installations with aluminum joists



for 4 mm joints
5/32"

SUPAW

For installations on
wood joists



SUPAK

3in1 adjustment key

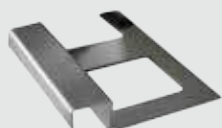


For minimum 4 mm
- 5/32" tile joints

OTHER PROFILES AND ACCESSORIES

BSJ

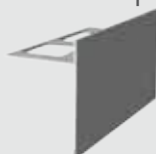
Perimetral profile



L = 2,70 m
8' 10"

BSR

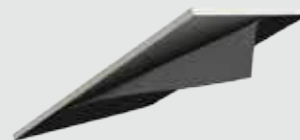
Perimetral profile



L = 2,70 m
8' 10"

SUPAF59X59

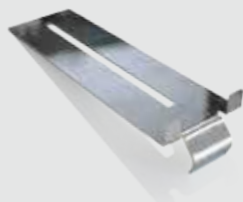
Anti-fragmentation membrane



60 x 60 cm
24" x 24"

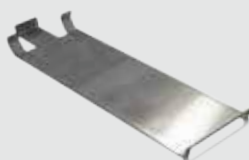
SUPCLPP

Perimeter tile spacer



SUPACLPB

Clip for vertical edge - Base



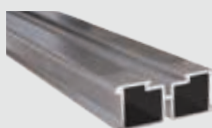
SUPACLPT

Clip for vertical edge - Head



SUPAAN

Aluminum joists



L = 2 m
6'7"

SUPG

Anti noise rubber



L = 10 m
33'

SUPD

Spacer thickness



for 4 mm joints
5/32"

SUPCLIP

Lateral and central clip





UPTEC - adjustable universal pedestals for raised floors - components

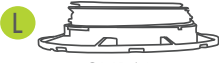



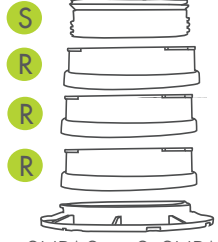





ART.	DESCRIPTION
SUPAL	Low pedestal 28÷43 mm - 1-3/32"÷1-11/16"
SUPAS	Standard pedestal 43÷58 mm - 1-11/16"÷2-9/32"
SUPAR	Modular ring +30 mm - +1-3/16"

UPTEC - base accessories

ART.	DESCRIPTION
SUPA2	Spacer - 2 mm tabs - 3/32" for ceramic tile installations
SUPA4	Spacer - 4 mm tabs - 5/32" for ceramic tile installations and tile installations with aluminum joists
SUPAW	Tab for installations on wood joists
SUPAK	3 functions adjusting key

UPTEC - additional accessories

ART.	DESCRIPTION
SUPL2	Leveling disk 2 mm - 3/32"
SUPL3	Leveling disk 3 mm - 1/8"
SUPG	Anti noise rubber (rol. 10 m - 33')
SUPD	Spacer (4 mm - 5/32" thickness)
SUPCLIP	Lateral and central clip
SUPACLPP	Perimeter tile spacer
SUPACLPT	Clip for vertical edge - Head
SUPACLPB	Clip for vertical edge - Base
SUPAAN200	Aluminum joist (L = 2 m - 6'7")
SUPAF59X59	Anti-fragmentation membrane under the tile (60 x 60 cm - 24" x 24")
BSJ + BSJE	Perimetral profile + External joint
BSR + BSRE + BSRG	Perimetral profile + External joint + Joint piece

28-43 mm 1-3/32" - 1-11/16"	43-58 mm 1-11/16" - 2-9/32"	58-88 mm 2-9/32" - 3-15/32"	88-118 mm 3-15/32" - 4-41/64"	118-148 mm 4-41/64" - 5-53/64"
 SUPAL	 SUPAS	 SUPAS + 1 SUPAR	 SUPAS + 2 SUPAR	 SUPAS + 3 SUPAR
				

UPTEC - KIT pedestal with 2 mm - 3/32" tabs - assembled

ART.	DESCRIPTION
SUPAL2-28/43	kit pedestal + 2 mm - 3/32" spacer tabs
SUPAS2-43/58	kit pedestal + 2 mm - 3/32" spacer tabs
SUPAS2-58/88	kit pedestal + 2 mm - 3/32" spacer tabs
SUPAS2-88/118	kit pedestal + 2 mm - 3/32" spacer tabs
SUPAS2-118/148	kit pedestal + 2 mm - 3/32" spacer tabs

UPTEC - KIT pedestal with 4 mm - 5/32" tabs - assembled

ART.	DESCRIPTION
SUPAL4-28/43	kit pedestal + 4 mm - 5/32" spacer tabs
SUPAS4-43/58	kit pedestal + 4 mm - 5/32" spacer tabs
SUPAS4-58/88	kit pedestal + 4 mm - 5/32" spacer tabs
SUPAS4-88/118	kit pedestal + 4 mm - 5/32" spacer tabs
SUPAS4-118/148	kit pedestal + 4 mm - 5/32" spacer tabs

SUPAS



43÷58 mm
1-11/16"÷2-9/32"



SUPAS



1 SUPAR



58÷88 mm
2-9/32"÷3-15/32"

PLEASE NOTE: pay close attention to the marks on the base elements and on the bottom of the SUPAR elements.



OPEN



CLOSED



SUPAR



+30 mm
+1-3/16"

PLEASE NOTE: pay close attention to the marks underneath the added SUPAR elements and the marks on top of the underlying SUPAR elements.



OPEN



CLOSED



SUPA 2/4/W



SUPAS



43÷58 mm
1-11/16"÷2-9/32"

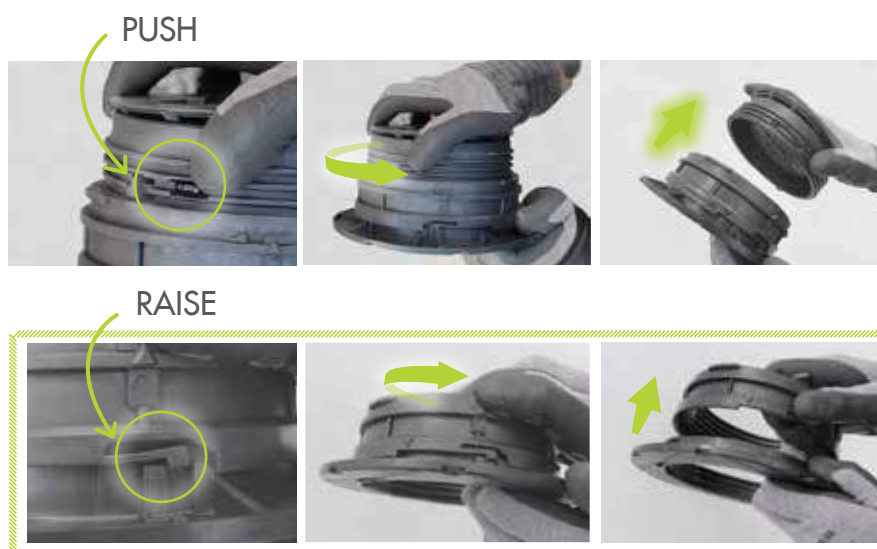


SUPAS

1 SUPAR



58÷88 mm
2-9/32"÷3-15/32"



SUPAR



- 30 mm
- 1-3/16"



SUPA 2/4/W



USES OF THE ADJUSTMENT TOOL: 3 FUNCTIONS

SUPAK



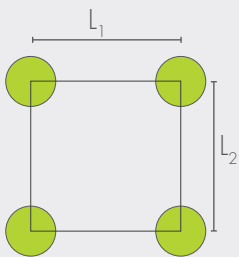
PIECE QUANTITY ESTIMATE CALCULATION - pcs/m²

The number of pedestals needed in an installation varies according to the type and dimensions of the tile used, static loads (ex. point load, like a vase of flowers) and dynamic loads (ex. pedestrian passage) which the pedestals must bear.

Profilitec recommends contacting the flooring manufacturer for information regarding the bearing capacity of a single tile.

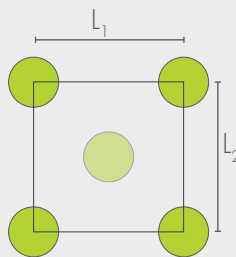
Formulas for the calculation of the number of pedestals needed per square meter, considering tile with a thickness of 2 cm - 3/4". For thicker tiles, contact the Profilitec headquarters for the calculation of the correct load bearing capacity.

$$(1 : L_1 : L_2) = \text{pcs/m}^2$$

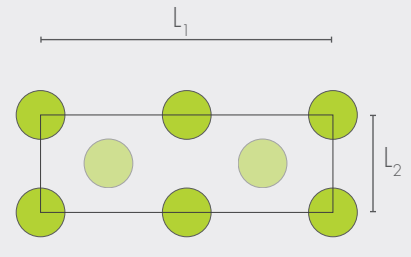


$$(1 : L_1 : L_2) \times 2 = \text{pcs/m}^2$$

with a central pedestal



$$(1 : L_1/2 : L_2) = \text{pcs/m}^2$$

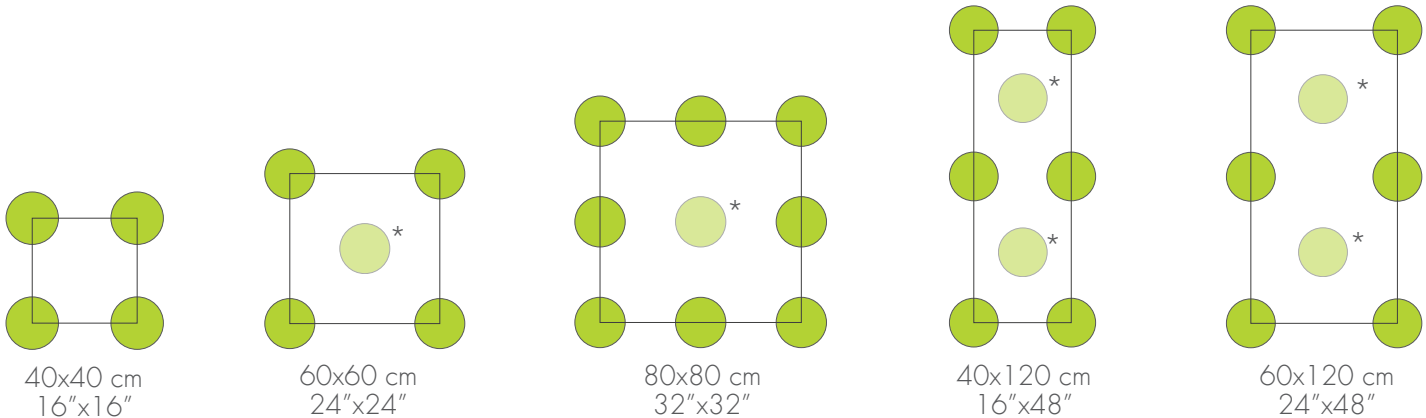


PLEASE NOTE: The formula does take into consideration perimeter pieces. For a precise calculation, add the number of pieces per square meter to half of the pieces resulting from the perimeter calculation.

We suggest contacting the Profilitec headquarters for atypical applications. The pedestals must be placed with a spacing no larger than 60 cm - 24" on center.

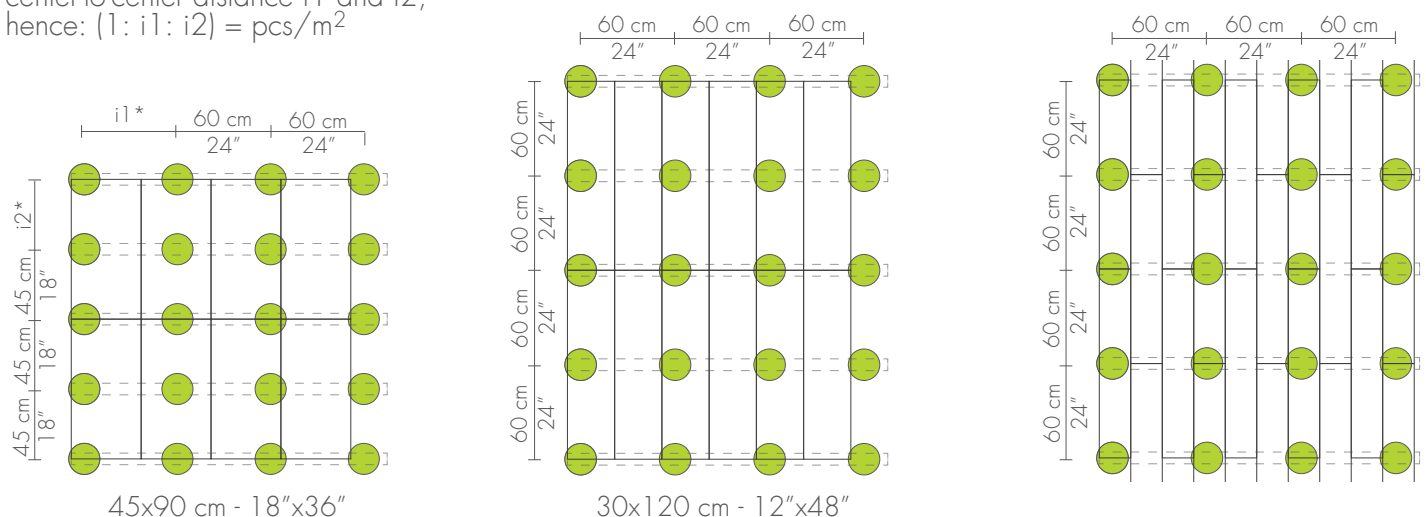
EXAMPLE OF TILE INSTALLATION DIAGRAMS

*add a central pedestal for installations in public places / in the presence of heavy loads or tall floor heights



EXAMPLE OF A JOISTS INSTALLATION DIAGRAM

*substitute L1 and L2 in the formula with the center-to-center distance i1 and i2, hence: $(1 : i1 : i2) = \text{pcs/m}^2$



PRELIMINARY PROCEDURES



1. Make sure the material is in **perfect condition** before proceeding with the installation.



2. The minimum height is equal to **48 mm - 1-7/8"** (minimum SUPAL height = 28 mm - 1-3/32" + 20 mm 3/4" tile thickness.)

SUBSTRATE CHARACTERISTICS



3. The **surface** upon which the product is installed must be perfectly **clean**, without any trace of liquids, dirt or debris.



4. Place the pedestals on concrete, cement, EPDM, rubber, or directly on insulation materials. Always check the compressive strength of the bearing material.



5. Check that the installation surface follows the specifications indicated on the construction drawings and that there is an adequate drainage system present.

WARNINGS



6. Uptec must be used in environments with **pedestrian** traffic only.



7. Do **not cut more** than **2 consecutive sides** of the pedestals. If necessary, contact the Profilitec headquarters.



8. The **lateral movement** of the installation must not exceed 3 mm - 1/8".



9. For **heights exceeding 40 cm - 15-3/4"**, contact a specialized technician to confirm the bearing capacity.



10. When the installation is complete, check to make sure that the area is **free of danger**.

PRODUCT INSTALLATION GUIDELINES



11. The **maximum center-to-center** distance between pedestals must not exceed **60 cm - 24"**.



12. The installation must be entirely **closed** on all sides, be it by walls or by perimeter enclosure systems (clips or profiles).



13. Determine the **height of the pedestal** by subtracting the tile thickness from the final floor height.



14. Position the assembled **pedestals** at the **correct height** before installing the flooring.



15. After the placement of each tile, check the **floor alignment** by adjusting the height of the pedestals. We recommend using the SUPAK Adjustment Tool.



16. Use the **self-leveling** head: for flooring with even loads on the pedestals. Use the **fixed** head: for pedestals with uneven loads. (Ex. the perimeter of an installation with tiles cut to size.) The pedestal is locked by turning the locking disc on the head of the support. (See special cases on page 30)

PRODUCT CONDITIONS



17. Keep the material in the **original packaging**.



18. The material is delivered in cardboard boxes which must be kept in a clean, **dry environment** without exposure to rain or waste.



19. Protect the product from damage during installation. **Substitute** or repair any **damaged products** before proceeding with the installation.



20. Deliver, store and handle the product following the instructions described above.



INSTALLATION COMPONENTS

BASIC ELEMENTS

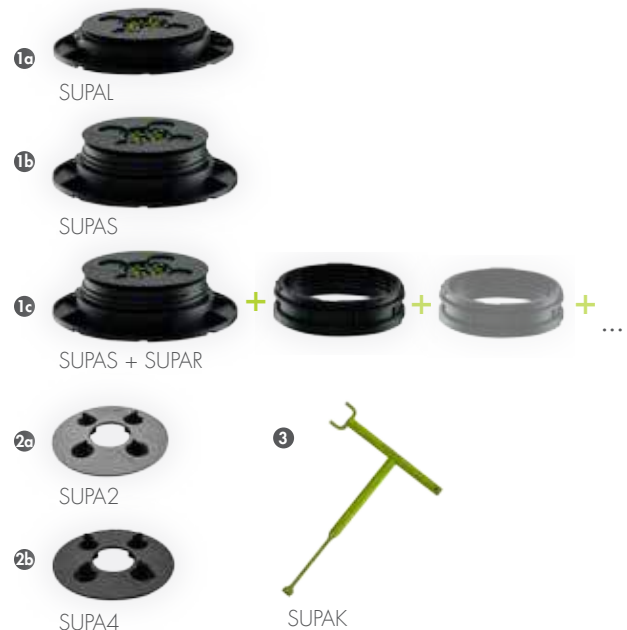
Choose one of the following elements based on the desired height:

- 1a** SUPAL - 28÷43 mm - 1-3/32" - 1-11/16"
- 1b** SUPAS - 43÷58 mm - 1-11/16" - 2-9/32"
- 1c** SUPAS + SUPAR - 43÷58 mm +30 mm
1-11/16" - 2-9/32" +1-3/16"

Select one of the following tabs:

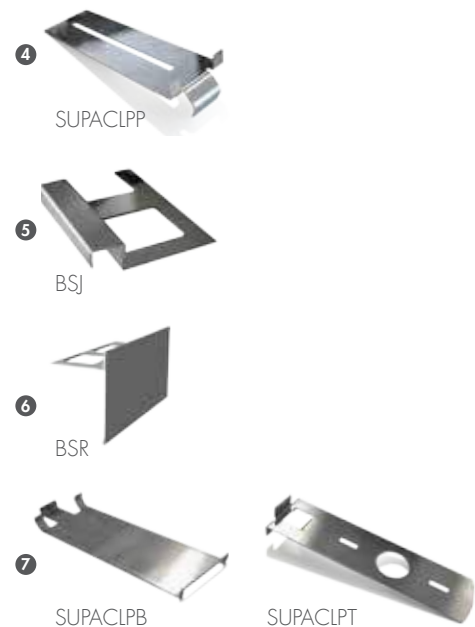
- 2a** SUPA2 - 2 mm - 3/32" tab
- 2b** SUPA4 - 4 mm - 5/32" tab

- 3** 3-in-1 Adjustment tool



PERIMETER ACCESSORIES

- 4** Perimeter wall spacer clip
- 5** * Perimeter profile BSJ
- 6** * Perimeter profile BSR
- 7** *Vertical edge clips - base and head



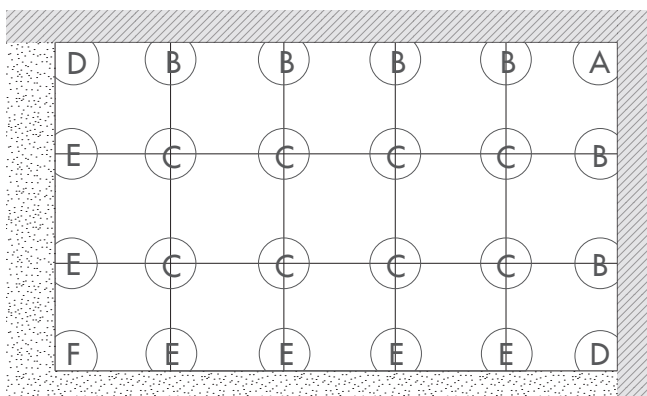
*see pg. 12 to choose the best configuration for the perimeter enclosure of the flooring.

ADDITIONAL TOOLS NECESSARY

- 8** Hand saw
- 9** Measuring tape
- 10** Level



PEDESTAL PLACEMENT DIAGRAM



Example of an installation diagram for a rectangular terrace, open on two sides and enclosed by walls on two sides. The letters in the diagram indicate the type of pedestal. Pedestal installation instructions are described below. The installation must be **closed** on all sides by either walls or specific perimeter enclosing systems (clips or profiles).

Example with 50x50 cm - 20"x20" tile; add a central pedestal for larger tile.
For different surface layouts see the special cases described on page 28.

Profilitec suggests applying the SUPAF59X59 anti-fragmentation membrane under the tile. See page 32.

POSITIONING OF CORNER PEDESTALS



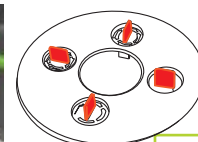
1. Turn the base upside down and remove two sides along the marked lines.



2. Assemble the pedestal and position it in the corner.



3. Remove the four tabs with the SUPAK tool.



4. Place a SUPACLPP spacer clip against the wall.



5. Place a second SUPACLPP spacer clip perpendicular to the first.



6. Position the tile.

POSITIONING OF PERIMETER PEDESTALS



7. Turn the base upside down and remove one of the sides along the marked line.



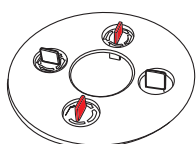
8. Assemble the pedestals and position them with the cut side towards the wall.



9. Insert a SUPACLPP spacer clip between the two tabs perpendicular to the wall.



10. Remove the four tabs with the SUPAK tool.



11. Position the tile.



12. Place the center of the pedestals at the same distance as the dimension of the tile. The spacing should not exceed 60 cm on center.



13. Position the tile.



14. Place the corners of the tile between the tabs.



15. Position the other tiles.



16. Check to make sure that the flooring is leveled.



17. If it is not leveled, adjust the height with the SUPAK tool.

INDEX - CHOOSE THE CONFIGURATION HOW TO PROTECT THE EDGE

D / E / F

BSJ pag. 13



BSJ201S



SUPACLPB

SUPACLPP

D



E



F



BSR pag. 14

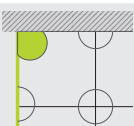


BSR20/100A50

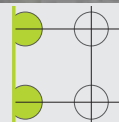


SUPACLPP

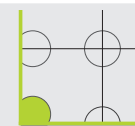
D



E



F



Clip pag. 15



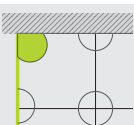
SUPACLPB

SUPACLPT

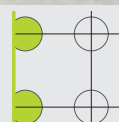


SUPACLPP

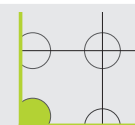
D



E

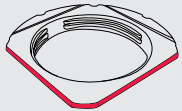


F

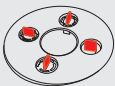




N.B.



remove two of the base sides



remove the four tabs

INSTALLATION OF BSJ PERIMETER CORNER PROFILE



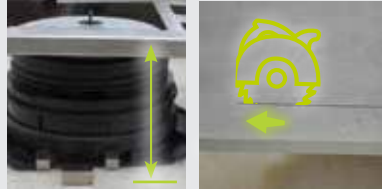
D1. Place the SUPACLPB clip under the pedestal base.



D2. Place the pedestal with one cut side against the wall and the other facing outwards.



D3. Place the SUPACLPB spacer clip and the BSJ profile on the head of the pedestal.



D4. Cut the tile. The dimension of the tile is equal to the distance between the BSJ profile and the SUPACLPB base clip.



D5. Wedge the cut tile between the BSJ profile and the SUPACLPB clip.



D6. Position the top tile.



N.B.



remove one of the base sides



remove two tabs

INSTALLATION OF BSJ PERIMETER END PROFILE



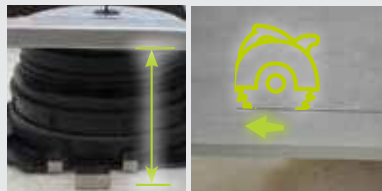
E1. Place the SUPACLPB clip under the pedestal base.



E2. Place the pedestal with the cut side facing outwards.



E3. Place the BSJ profile between the tabs on the head of the pedestal.



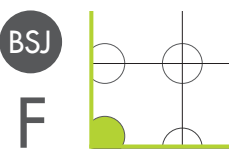
E4. Cut the tile. The dimension of the tile is equal to the distance between the BSJ profile and the SUPACLPB base clip.



E5. Wedge the cut tile between the BSJ profile and the SUPACLPB clip.



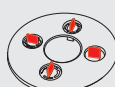
E6. Position the top tile.



N.B.



remove two of the base sides



remove the four tabs

INSTALLATION OF BSJ PERIMETER CORNER PROFILE



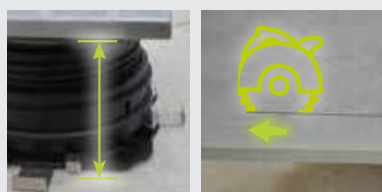
F1. Place two SUPACLPB clips perpendicular to each other under the pedestal base.



F2. Place the pedestal with the cut sides facing outwards.



F3. Place external corner of the BSJE profile on the head of the pedestal and position it against the BSJ profile.



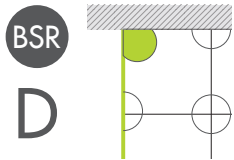
F4. Cut the tile. The dimension of the tile is equal to the distance between the BSJ profile and the SUPACLPB base clip.



F5. Wedge the cut tile between the BSJ profile and the SUPACLPB clip.



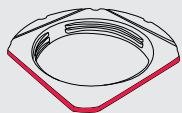
F6. Position the top tile.



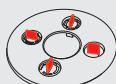
BSR
D

INSTALLATION OF BSR PERIMETER CORNER PROFILE

N.B.



remove two of the
base sides



remove the four
tabs



D1. Place the pedestal with one
cut side against the wall and the
other facing outwards.



D2. Place the SUPACLPP spacer
clip on the head of the pedestal.



D3. Place BSR profile on the head
of the pedestal.



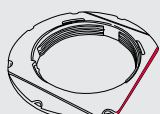
D4. Position the top tile.



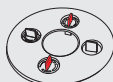
BSR
E

INSTALLATION OF BSR PERIMETER END PROFILE

N.B.



remove one of
the base sides



remove two tabs



E1. Place the pedestal with the
cut side facing outwards.



E2. Place the BSR profile between
the tabs on the head of the
pedestal.



E3. Position the top tile.



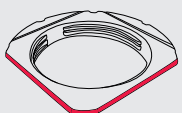
E4. Position the top tile.



BSR
F

INSTALLATION OF BSR PERIMETER CORNER PROFILE

N.B.



remove two of the
base sides



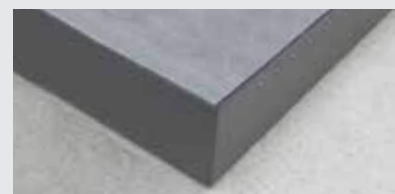
remove the four
tabs



F1. Place the pedestal with the
cut side facing outwards.



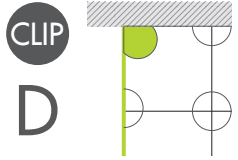
F2. Slide the BSRE joint profile
along the BSR profile. Place the
composed piece on the pedestal.



F3. Position the top tile.

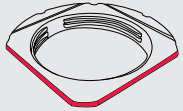


BSR + BSRE joint.

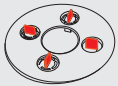


CLIP
D

N.B.



remove two of the base sides

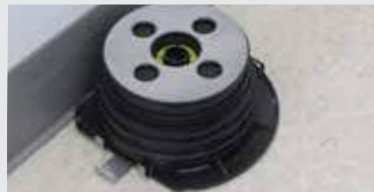


remove the four tabs

INSTALLATION OF BASE-HEAD PERIMETER CORNER CLIPS



D1. Place the SUPACLPB clip under the pedestal base.



D2. Place the pedestal with one cut side against the wall and the other facing outwards.



D3. Place SUPACLPP spacer clip perpendicular. Place SUPACLPT.



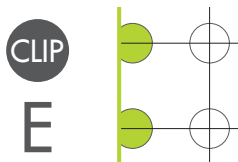
D4. Cut the tile. The dimension of the tile is equal to the distance between the SUPACLPT clip and the SUPACLPB clip.



D5. Wedge the cut tile between the SUPACLPT clip and the SUPACLPB clip.

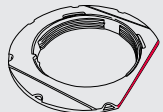


D6. Position the top tile.

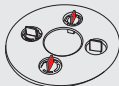


CLIP
E

N.B.



remove one of the base sides



remove two tabs



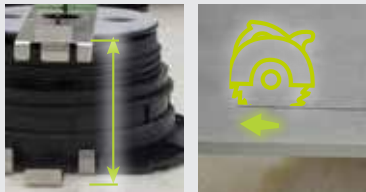
E1. Place the SUPACLPB clip under the pedestal base.



E2. Place the pedestal with the cut side facing outwards.



E3. Place the SUPACLPT clip between the two tabs on the head of the pedestal.



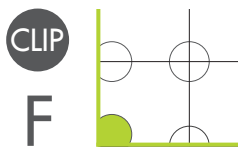
E4. Cut the tile. The dimension of the tile is equal to the distance between the SUPACLPT clip and the SUPACLPB clip.



E5. Wedge the cut tile between the SUPACLPT clip and the SUPACLPB clip.



E6. Position the top tile.



CLIP
F

N.B.



remove two of the base sides



remove the four tabs

INSTALLATION OF BASE-HEAD PERIMETER CORNER CLIPS



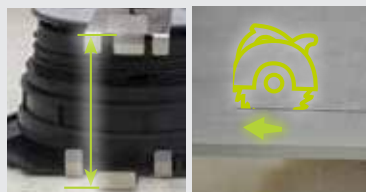
F1. Place two SUPACLPB base clips perpendicular to each other under the pedestal base.



F2. Place the pedestal with the cut sides facing outwards.



F3. Place two SUPACLPT head clips perpendicular to each other on the head of the pedestal.



F4. Cut the tile. The dimension of the tile is equal to the distance between the SUPACLPT clip and the SUPACLPB clip.



F5. Wedge the cut tile between the SUPACLPT clip and the SUPACLPB clip.



F6. Position the top tile.



INSTALLATION COMPONENTS

BASIC ELEMENTS

Choose one of the following elements based on the desired height:

1a SUPAL - 28÷43 mm - 1-3/32" - 1-11/16"

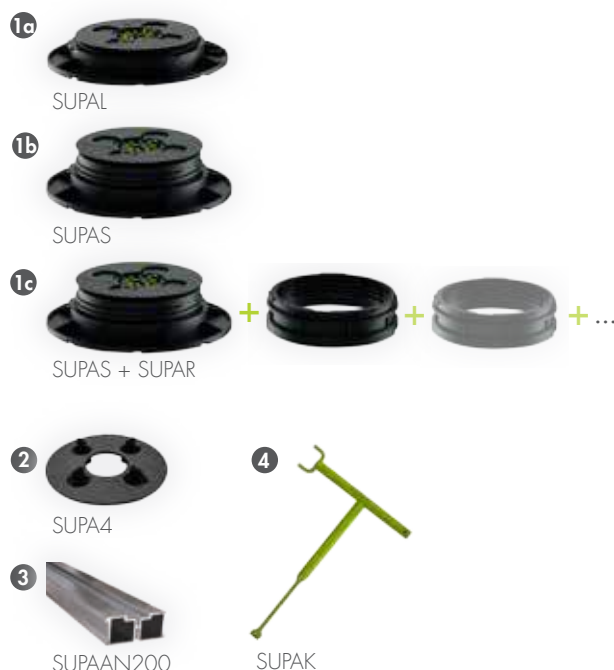
1b SUPAS - 43÷58 mm - 1-11/16" - 2-9/32"

1c SUPAS + SUPAR - 43÷58 mm +30 mm
1-11/16" - 2-9/32" +1-3/16"

2 SUPA4 - 4 mm - 5/32" tab

3 Aluminum joists L = 2 m - 6'7"

4 3-in-1 Adjustment tool



PERIMETER ACCESSORIES

5 Perimeter wall spacer clip

6 Tile spacer (4 mm - 5/32" thickness)

7 Sound dampening rubber L = 10 m - 33'



ADDITIONAL TOOLS NECESSARY

8 Hand saw

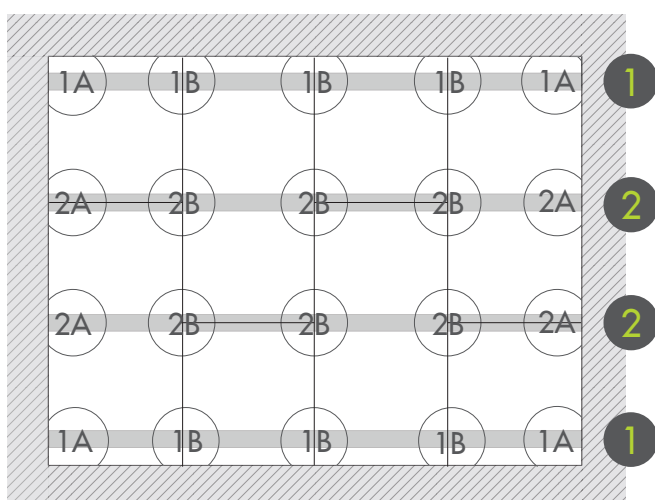
9 Measuring tape

10 Level

11 Cutter



PEDESTAL PLACEMENT DIAGRAM



Installation diagram for a rectangular terrace enclosed on two sides. The letter specified indicates the type of pedestal, of which the installation process will be explained below.

The installation must be **closed** on all sides.

For lengths longer than 2 m - 6'7", place several joists together lengthwise, keeping a distance of 5 mm - 3/16" between the end of one joist and the beginning of the next.

Keep a maximum center-to-center distance of 50 or 60 cm 20" or 24" between pedestals, depending on the length of the joist.

1 CONFIGURATION

POSITIONING WALL CORNER PEDESTALS



1. Turn the base upside down and remove two sides along the marked lines.



2. Assemble the pedestal and position the two cut sides in the corner.



3. Place SUPACLPP spacer clips perpendicular to each other against the wall.

POSITIONING PERIMETER PEDESTALS



4. Turn the base upside down and remove one of the sides along the marked line.



5. Assemble the pedestal and position it with the cut side towards the wall.



6. Insert a SUPACLPP spacer clip between the two tabs perpendicular to the wall.

POSITIONING JOIST 1



7. Wedge the joist between the SUPA4 tabs of the corner pedestal.



8. Wedge the joist between the SUPA4 tabs of the perimeter pedestals.



9. Check to make sure that the joists are all wedged firmly to each pedestal.

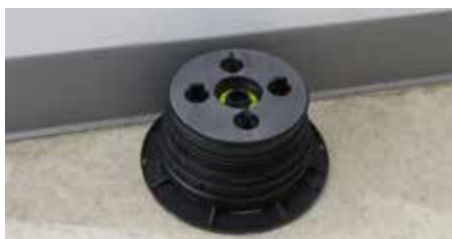
2 CONFIGURATION

POSITIONING WALL PERIMETER PEDESTALS

2A 



10. Turn the base upside down and remove one of the sides along the marked line.



11. Assemble the pedestal and position it with the cut side towards the wall.



12. Insert a SUPACLPP spacer clip between the two tabs perpendicular to the wall.

POSITIONING CENTRAL PEDESTALS

2B 



13. Assemble the pedestal and place it on the floor.



14. Maximum center-to-center distance between pedestals: 50-60 cm - 20"-24".

POSITIONING JOIST 2



15. Wedge the joist between the SUPA4 tabs of the wall perimeter pedestals.



16. Wedge the joist between the SUPA44 tabs of the central pedestals.



17. Wedge the joist between the SUPA4 tabs of the wall perimeter pedestals.



18. Check to make sure that the joists are all wedged firmly to each pedestal.

INSTALLING SOUND DAMPENING RUBBER ON JOISTS



19. Use SUPG sound dampening rubber strips (10 m).



20. Remove the underlying film and adhere the adhesive rubber.



21. Place the rubber on both upper tracks of the joist.



22. Cut the strip at the end of the joist with a box cutter.



23. Apply the rubber on all joists.



24. Check to make sure that the installation is leveled. If it is not leveled, adjust the height of the pedestals.

INSTALLING TILES WITH SPACERS ON JOISTS - (staggered tiles)



25. Position the first row of tiles perpendicular to the direction of the joists.



26. Insert the SUPD spacers (removing unnecessary tabs) into the slot on the joist where the staggered tile of the next row will be installed.



27. Install the rest of the tile. Remember to insert the spacers.

INSTALLING TILES WITH SPACERS ON JOISTS - (straight tiles)



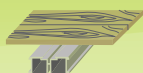
28. Position the first row of tiles perpendicular to the direction of the joists.



29. Insert the the SUPD spacers in the slot on the joists, so as to keep the same distance between the tiles.



30. Install the rest of the tile. Remember to insert the spacers.



INSTALLATION COMPONENTS

BASIC ELEMENTS

Choose one of the following elements based on the desired height:

1a SUPAL - 28÷43 mm - 1-3/32" - 1-11/16"

1b SUPAS - 43÷58 mm - 1-11/16" - 2-9/32"

1c SUPAS + SUPAR - 43÷58 mm +30 mm
1-11/16" - 2-9/32" +1-3/16"

2 SUPA4 - 4 mm - 5/32" tab

3 Aluminum joists L = 2 m - 6' 7"

4 3-in-1 Adjustment tool



SUPAL



SUPAS



SUPAS + SUPAR



SUPA4



SUPAAN200



SUPAK

PERIMETER ACCESSORIES

5 Clips for holding the boards



SUPCLIP

ADDITIONAL TOOLS NECESSARY

6 Hand saw



7 Measuring tape



8 Level



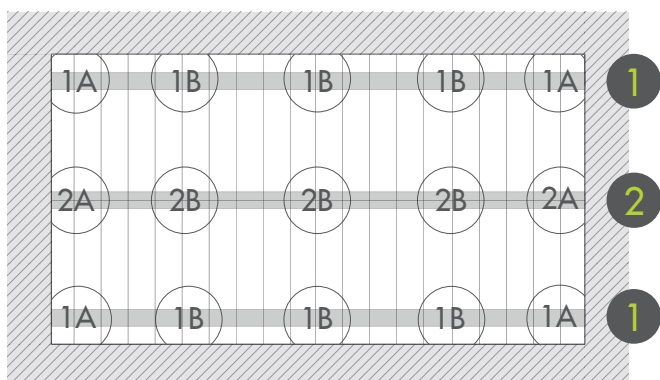
9 Screwdriver



10 Screws for Aluminum



PEDESTAL PLACEMENT DIAGRAM



Installation diagram of a rectangular terrace closed on four sides. The letter specified indicates the type of pedestal, of which the installation process will be explained below.

The installation must be **closed** on all sides.

For lengths longer than 2 m - 6'7", place several joists together lengthwise, keeping a distance of 5 mm - 3/16" between the end of one joist and the beginning of the next.

Maintain a maximum center-to-center distance of 50 or 60 cm - 20" or 24" between pedestals, depending on the length of the joist.

1 CONFIGURATION

POSITIONING WALL CORNER PEDESTALS



1. Turn the base upside down and remove two sides along the marked lines.



2. Assemble the pedestal and position the two cut sides in the corner.

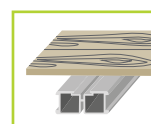
POSITIONING PERIMETER PEDESTALS



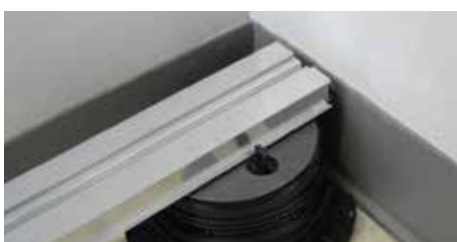
3. Turn the base upside down and remove one of the sides along the marked line.



4. Assemble the pedestal and position it with the cut side towards the wall.



POSITIONING JOIST 1



5. Wedge the joist between the SUPA4 tabs of the corner pedestals.



6. Wedge the joist between the SUPA4 tabs of the perimeter pedestals.



7. Check to make sure that the joists are all wedged firmly to each pedestal.

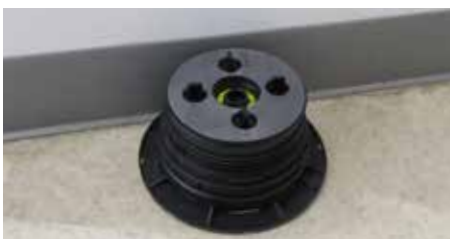
2 CONFIGURATION

POSITIONING WALL PERIMETER PEDESTALS

2A



8. Turn the base upside down and remove one of the sides along the marked line.



9. Assemble the pedestal and position it with the cut side towards the wall.

POSITIONING CENTRAL PEDESTALS

2B



50-60 cm - 20"-24"



10. Assemble the pedestal and place it on the floor.



11. Maximum center-to-center distance between pedestals: 50-60 cm - 20"-24".

POSITIONING JOIST 2



12. Wedge the joist between the SUPA4 tabs of the wall perimeter pedestals.



13. Wedge the joist between the SUPA44 tabs of the central pedestals.



14. Check to make sure that the joists are all wedged firmly to each pedestal.

POSITIONING ALL JOISTS



15. Finish installing all joists.



16. Check to make sure that the installation is leveled. If it is not leveled, adjust the height of the pedestals.



17. Position the first SUPCLIP clip against the wall. (Insert the clip horizontally and then rotate it 90° to lock it in).



18. Attach the clip to the joist with a screwdriver.



19. Install the first row of wood boards, inserting the groove into the SUPCLIP clip.



20. Position a SUPCLIP clip to block the boards.

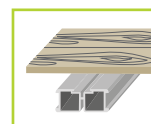


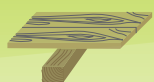
21. Position the next SUPCLIP clips.



22. Position all the wood boards, inserting the grooves in the SUPCLIP clips.

Please note: If the decking is installed diagonal to the joists, the clip can be rotated up to 40° in both directions.





INSTALLATION COMPONENTS

BASIC ELEMENTS

Choose one of the following elements based on the desired height:

1a SUPAL - 28÷43 mm - 1-3/32" - 1-11/16"

1b SUPAS - 43÷58 mm - 1-11/16" - 2-9/32"

1c SUPAS + SUPAR - 43÷58 mm +30 mm
1-11/16" - 2-9/32" +1-3/16"

2 SUPAW - tab for wood joists

3 3-in-1 Adjustment tool



ADDITIONAL TOOLS NECESSARY

4 Wood joists

5 Hand saw

6 Measuring tape

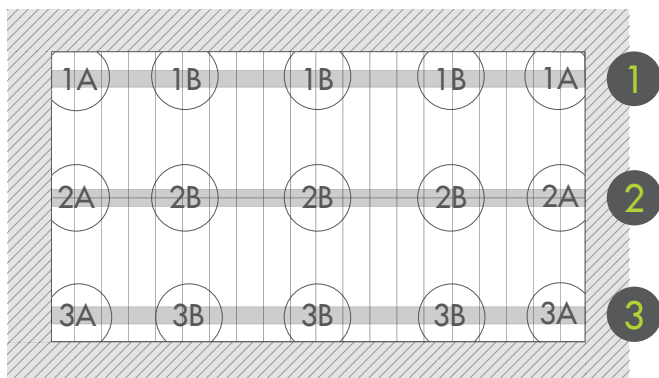
7 Level

8 Screwdriver

9 Screws for wood



PEDESTAL PLACEMENT DIAGRAM



Installation diagram of a rectangular terrace closed on four sides. The letter specified indicates the type of pedestal, of which the installation process will be explained below.

The installation must be **closed** on all sides.

When placing several joists together lengthwise, keep a distance of 5 mm between the end of one joist and the beginning of the next.

Fasten the wood joists to the SUPAW tabs alternating between left and right, in order to compensate material movement or shifting.

1 CONFIGURATION

POSITIONING WALL CORNER PEDESTALS



1. Turn the base upside down and remove two sides along the marked lines.



2. Assemble the pedestal and position the two cut sides in the corner.

POSITIONING WALL PERIMETER PEDESTALS



3. Turn the base upside down and remove one of the sides along the marked line.



4. Assemble the pedestal and position it with the cut side towards the wall.

POSITIONING WOOD JOIST 1



5. Position the wood joist on the SUPAW tab.



6. Screw the wood joist to the pedestal through the specific slots (use a screwdriver).



7. Check to make sure that the wood joists are firmly attached to each pedestal.

2 CONFIGURATION

POSITIONING PERIMETER WALL PEDESTALS



8. Turn the base upside down and remove one of the sides along the marked line.

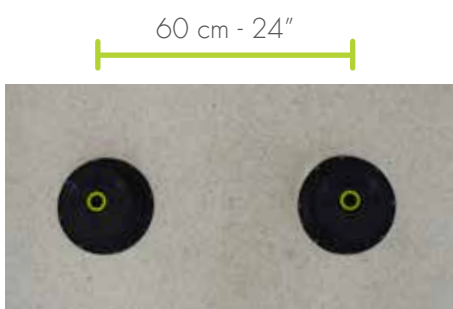


9. Assemble the pedestal and position it with the cut side towards the wall.

POSITIONING CENTRAL PEDESTALS



10. Assemble the pedestal and place it on the floor.



11. Maximum center-to-center distance between pedestals: 60 cm - 24\".

POSITIONING WOOD JOIST 2



12. Position the wood joist on the SUPAVV tab.



13. Screw the wood joist to the pedestal through the specific slots (use a screwdriver).



14. Check to make sure that the wood joists are firmly attached to each pedestal.

3 CONFIGURATION

POSITIONING WALL CORNER PEDESTALS



15. Turn the base upside down and remove two sides along the marked lines.



16. Assemble the pedestal and position the two cut sides in the corner.



17. Turn the base upside down and remove one of the sides along the marked line.



18. Assemble the pedestal and position it with the cut side towards the wall.

POSITIONING WOOD JOIST 3



19. Position the wood joist on the SUPAVV tab.



20. Screw the wood joist to the pedestal through the specific slots (use a screwdriver).



21. Check to make sure that the wood joists are firmly attached to each pedestal.

INSTALLING WOOD BOARDS ON JOISTS WITH SCREWS



22. Check to make sure that the installation is leveled.



23. Place the first wood board against the wall.



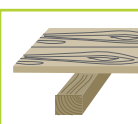
24. Screw the wood board to the underlying joist with a screwdriver.



25. Position the first row of wood boards, screwing them to the underlying joists.



26. Install the remaining boards.



Please note: The boards can also be attached to the joists with hammer and nails.

A. **Adjusting central pedestals** pag. 28

- Instructions for adjusting central pedestals once the flooring has been installed

B. **Curved wall installation** pag. 29

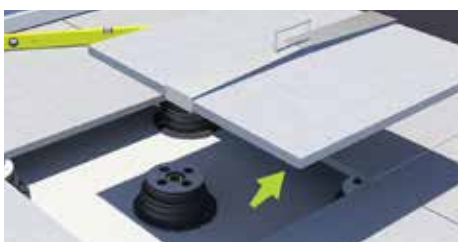
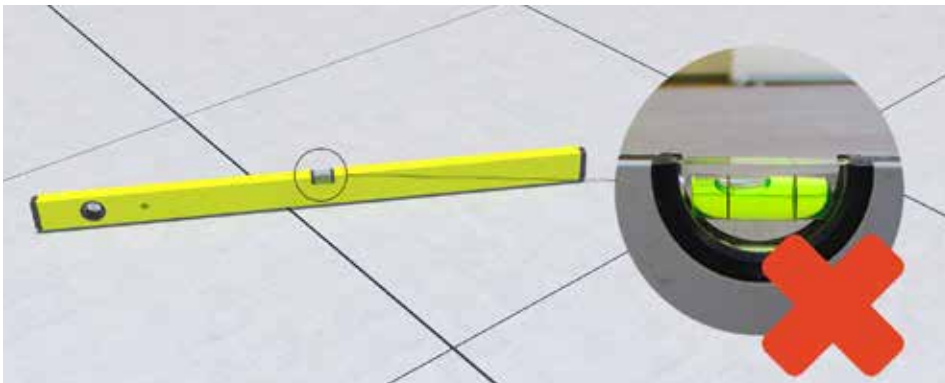
- Instructions for installing pedestals along nonlinear walls

C. **Unequal load** pag. 30-31

- Instructions for adjusting fixed head pedestals when the tile load is unequal

A. SPECIAL CASE - ADJUSTING CENTRAL PEDESTALS

If installed tiles are unlevelled, the height of the pedestals can be adjusted by removing one tile and checking the central pedestal.



1. Remove the unlevelled tile.



2. Place the pedestal at the level of the adjacent tiles in order to correctly modify the height.



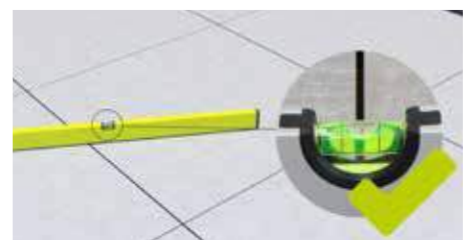
3. Use the SUPAK Adjustment Tool to change the height of the pedestal.



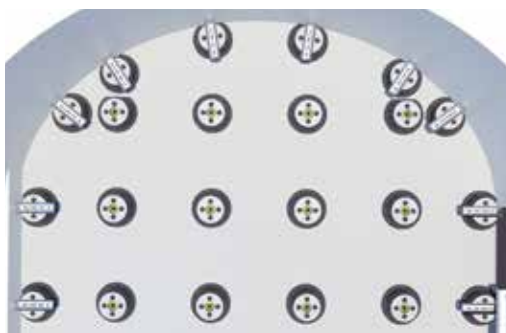
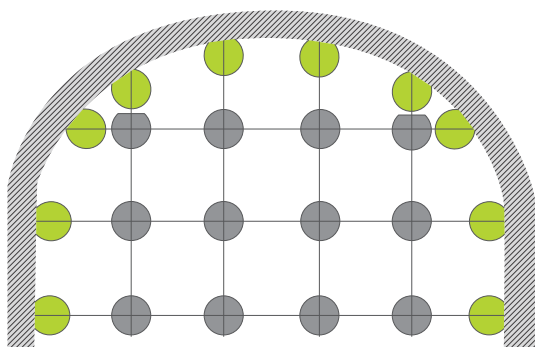
4. Once the height has been corrected, place the pedestal at the center of the tile again.



5. Position the tile.

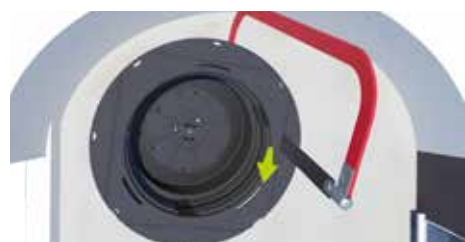


6. Check to make sure that the installation is leveled.



We suggest making a layout diagram before starting the installation.

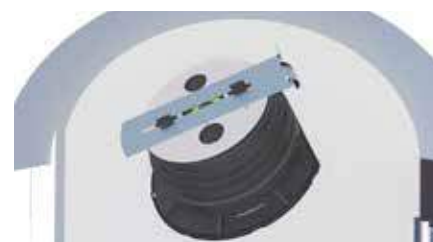
It is important to make sure that the tiles cut along the wall sit firmly on all corners.



1. Cut one side of the pedestal.



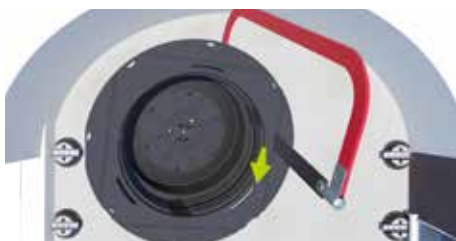
2. Remove the two tabs parallel to the cut on the base.



3. Place the SUPACLPP perpendicular to the wall.



4. Place the pedestals in the positions indicated on the layout diagram.



5. Cut one side of the pedestal.



6. Remove all tabs on the head.



7. Place the SUPACLPP perpendicular to the wall.



8. Place the pedestals on the positions indicated in the layout diagram.



9. Cut one side of the pedestal.



10. Keep all four tabs.



11. Place the pedestals on the positions indicated in the layout diagram.



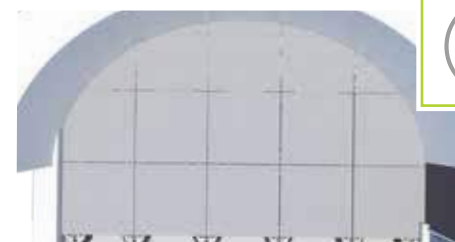
12. Keep the entire pedestal intact.



13. Place the pedestals on the positions indicated in the layout diagram.



14. Place the tiles following the layout diagram.



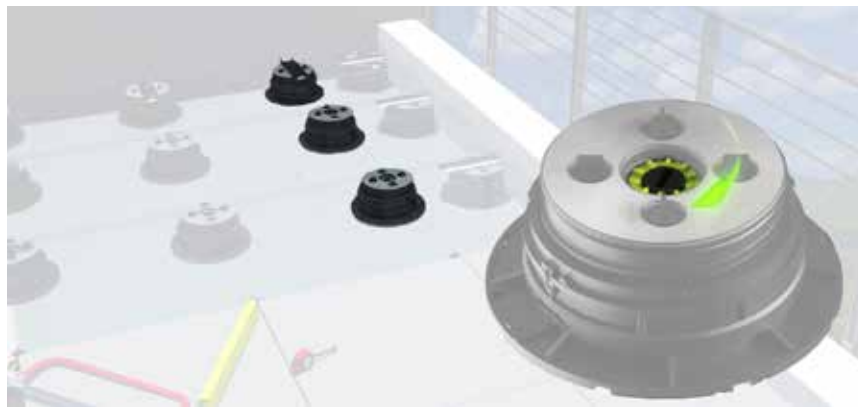
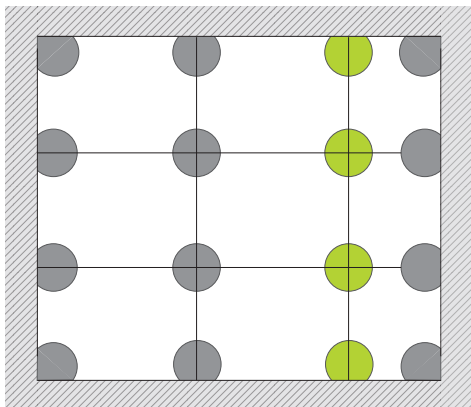
15. Cut the tiles along the wall to the correct shape and install them following the layout diagram.



C. SPECIAL CASE – UNEQUAL LOAD

Use a fixed head only on the pedestals on which there is an unequal load.

Example: a terrace closed on all four sides and installed with 60x60 cm - 24"x24" tile. If the last row of tile must be cut to size, the pedestals which simultaneously support the 60x60 (24"x24") tiles and the cut tiles must be assembled with a fixed head.



PLEASE NOTE: If the flooring is sloped, use SUPL2 or SUPL3 discs for the fixed head pedestals.



SUPL2
2 mm - 3/32"
thickness



SUPL3
3 mm - 1/8"
thickness



1. Cut one side of the pedestal.



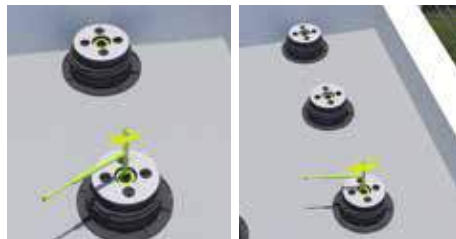
2. Place the pedestal with the cut side against the wall.



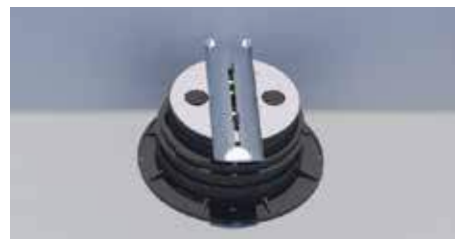
3. Remove the two tabs parallel to the wall.



4. Lock the pedestal in 'fixed head' mode by turning the Locking Disc clockwise.



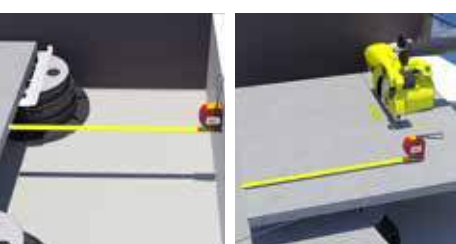
5. Position the rest of the pedestals, attaching the head by turning the Locking Disc.



6. Position the SUPACLPP clip.



7. Install the tile.



8. Measure the remaining distance.



9. Cut the tile.



10. Cut two sides of the pedestal.



11. Place the pedestal in the corner and remove all 4 tabs.



12. Place two SUPACLPP spacer clips perpendicular to each other.



13. Cut one side of the pedestal.



14. Position the pedestal with the cut side against the wall.



15. Remove the two tabs parallel to the wall.



16. Position the SUPACLPP spacer clip.



17. Position the tile.



18. Pedestal layout diagram.



ADDITIONAL NOTES – SUPAF59X59 ANTI-FRAGMENTATION MEMBRANE



Profilitec suggests applying SUPAF59X59 under the tile, especially if the height is over 10 cm - 4". SUPAF59X59 is an anti-fragmentation membrane designed to prevent cracks or breaks as a result of heavy objects falling on the tile. Available dimensions: 594 x 594 mm - 2'-2 1/4" x 2'-2 1/4".



Fast installation



Fast and easy



No tools necessary



Resistant

The installation of the anti-fragmentation adhesive membrane is fast and easy. It can be applied by only one person in just a few seconds by following 4 simple steps:



PLEASE NOTE: The use of a roller speeds up application and increases adhesion.

Warning:

- Store the product in a covered, ventilated area with temperatures above 0°C.
- Apply the product on a clean, dry and smooth surface.
- Apply the product in temperatures higher than +15°C.
- Do not apply the product in adverse weather conditions (high humidity, rain, etc.). If the application is underway, suspend the application until favorable conditions are present.

TEST

The anti-fragmentation adhesive membrane is the only patented system for the protection of ceramic tile which guarantees, due to its application, passing a 'hard body impact test' in accordance with UNI EN 12825:2003.

Passed Test » no fragment of ceramic detached from the panel		
Fig. 1,2	✓	DROP TEST ON THE CENTER OF THE PANEL
Fig. 3	✓	DROP TEST ON ONE SIDE OF THE PANEL
Fig. 4	✓	DROP TEST AT 7 CM ALONG THE DIAGONAL

This product is the only reinforcing protective system designed to be applied coupled to the ceramic, which allows 2 cm - 3/4" tile for raised outdoor floors to pass the hard body impact test in all three testing situations.



For tile dimensions	
cm	in
60 x 60	24 x 24

Testing carried out by the Industrial Engineering Department of the University of Trento.

The table below shows the breaking load results obtained by testing the pedestals in various conditions: with a self-leveling or fixed head, with a flat or inclined support surface, and in various temperatures and load application speeds.

Model	Height		Head	Surface	Temperature		Speed		Breaking load	
	mm	in			°C	°F	mm/min	in/min	kN	lbF
SUPAL-28/43	43	1-11/16	FIXED	HORIZONTAL	21	69.8	10	3/8	15.58 ± 0.54	3502.52 ± 121.4
SUPAL-28/43	43	1-11/16	SELF-LEVELING	INCLINED	21	69.8	10	3/8	13.93 ± 0.24	3131.59 ± 211
SUPAS-58/88	88	3-15/32	FIXED	HORIZONTAL	21	69.8	100	4	14.48 ± 0.89	3255.23 ± 200
SUPAS-508/538	538	21-3/16	SELF-LEVELING	INCLINED	21	69.8	100	4	13.67 ± 0.90	3073.14 ± 202.33
SUPAS-58/88	88	3-15/32	FIXED	HORIZONTAL	-20	-4	100	4	21.86 ± 0.97	4914.32 ± 218.06
SUPAS-58/88	88	3-15/32	FIXED	HORIZONTAL	80	176	100	4	5.31 ± 0.48	1193.74 ± 107.91

UNIVERSITÀ DEGLI STUDI DI TRENTO
DEPARTMENT OF INDUSTRIAL ENGINEERING
Via Sommarive 9, 38123 Trento, ITALY

Test report: Uptec Profiles Trento, February 28th 2019

Applicant: Profiltec S.p.A.
Application: Specimen received at 28/01/2019
Material: Modular pedestals Uptec (SUPAL-28/43) made of PP / 15% calcium carbonate
Required test: Uniaxial compression test at constant speed and measurement of the compression load of the specimen and the displacement of the testing machine's crossbar at the break of the specimen. Moreover, the stiffness of the specimen was measured in the linear part of the load-displacement curve.
Testing method: Compression tests were performed on 3 specimens for each sample. The components of the pedestal had been assembled, the height of the specimen was regulated according to Table 1 and the 4 tabs on top of the pedestal were removed before the test. Specimens were placed on an aluminum plate provided by Profiltec S.p.A. Two screws had been used for the alignment of the pedestal inside the machine avoiding any possible misalignments. The upper plate was a circular and flat one provided by Instron.
An electro-mechanical testing machine, Instron 5569, was employed to perform uniaxial compression tests under displacement control. Load was applied with a constant displacement rate of 1.67 · 10⁻³ mm/s. Test was stopped when a sharp load drop was measured that indicated the breakage of the pedestal. A load cell with a load capacity of 50 kN was employed to measure and record the force during the test. Stiffness of the specimen was calculated in the linear part of the load-displacement curve, in particular, it was taken in account the part of the curve between 2.5 kN and 5 kN.
Test activities were carried out on January 28th, 2019. Tests were done at 21°C and a humidity level of 20%.

The instructor of the test
ing. Daniele Righi

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Table 1: Sample identification.

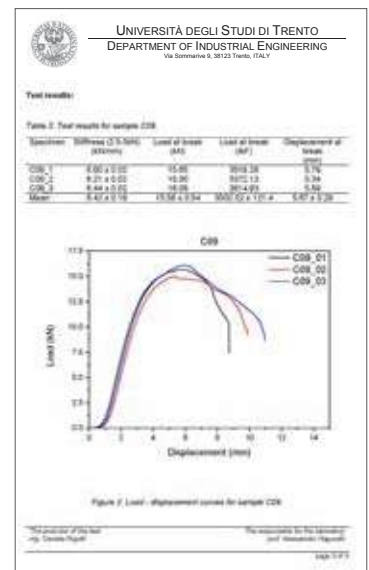
Test	Model	HT	mm	in	Head	Plate	T (°C)	Speed	mm/min
C08	SUPAL-28/43	1	43	1-11/16	Fixed	Horizontal	21	10	

Figure 1: Specimen configuration for C08.

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