

BALCONY OUTLET

FOR OPTIMAL DRAINAGE
OF RUN-OFF WATER
IN A BALCONY



BUILDING
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ENVIRONMENT



BUILDING - SANITARY - ENVIRONMENT



THE NICOLL BALCONY OUTLET

A COMPLETE BALCONY AND ROOF WATER DRAINAGE SYSTEM

Nicoll has developed a new outlet for optimal drainage of run-off water in a balcony. It allows run-off and roof water to be drained simultaneously.

ADVANTAGES

- A perfect water tightness
- Adapted to all types of balcony coatings and installations
- Aesthetic slot-type design
- Easy to install and clean





A 100% PRACTICAL SOLUTION



FLEXIBLE

The new Nicoll balcony outlet is compatible with all on-site installation situations: coring, re-entrants, on-site casting or pre-fabrication

You can cut the upper and lower body of the outlet and/or use the adjusting ring to achieve the height required for your finish (concrete, tiling, studded slabs, etc.).

A PERFECT WATER TIGHTNESS

Sealing mat is required to avoid infiltrations of water onto the balcony. It enables you to treat individual points with ease.

If you are installing a model without a mat, the system cannot be considered watertight. In this case, we recommend that you seal the structure yourself.



ATTRACTIVE

The aesthetic slot-type design fits in perfectly with all balconies and loggias.

The outlet is available in three colours (light grey, white and sand), blending in perfectly with concrete, tiling and downpipe tubes.



EASY TO CLEAN

The self-cleaning conical shape of the outlet, and the possibility of removing the grating in order to remove residue, makes it easy to clean.

EASY TO INSTALL

Casing end-pieces allows to easily position the outlet wherever you want, with ease. It also enables you to create an expansion chamber for the downpipe tube. So there's no need to use an unsightly socket!

The square-shaped finish makes tile-laying easy.



THE NICOLL EXTRA

The drainage rely ring makes it possible to avoid any splashing towards the exterior façades.

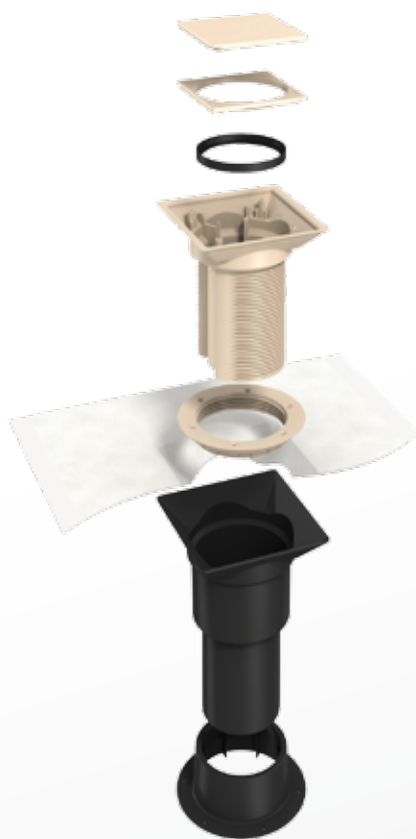




THE SYSTEM

COMPOSITION OF THE SYSTEM

The Nicoll balcony outlet comprises the following items



- H** Cover
- G** Stack tube grating
- F** Drainage ring
- E** Upper adjustable body
- D** Adjusting ring
- C** Sealing mat (for the model with mat)
- B** Lower body
- A** Casing end-piece

HOW IT WORKS

- The lower body, sealed into the slab, allows for the joining of the stack tube from the lower floor.
- The sealing mat prevents the infiltration of water.
- The upper body, which can be cut or height-adjusted using a ring, is positioned on the balcony finishing.
- The upper body also allows you to position the stack tube from the upper floor.
- The grating around the stack tube allows balcony water to drain via a slot.
- The cover on the lowest storey completes the structure.



TECHNICAL CHARACTERISTICS

- Available in 80 or 100 diameter.
- Versions with or without sealing mat (polyester nonwoven mat 400 x 400 mm).
- Elements exposed to the sun are made from anti-UV treated PVC.
- Impact resistant.
- Complies with disabled access requirements and suitable for bare feet.
- Drainage rate: 5.5m³/h in accordance with standard EN1253.
- Total system height: 330 mm max./160 mm min.
- Grating dimensions: 116 x 116 mm.

THE RANGE

NAME	Ø	LIGHT GREY	SAND	WHITE
WITH SEALING MAT				
Balcony outlet	80	ABE80	ABE80S	ABE80B
	100	ABE100	ABE100S	ABE100B
WITHOUT SEALING MAT				
Balcony outlet	80	ABSE80	ABSE80S	ABSE80B
	100	ABSE100	ABSE100S	ABSE100B

Each outlet is provided with a cover departure and a stack tube grating. The cover grating will be used for balconies on the lowest floors, the stack tube grating for the integration of the stack tube in the other cases.



DID YOU KNOW?

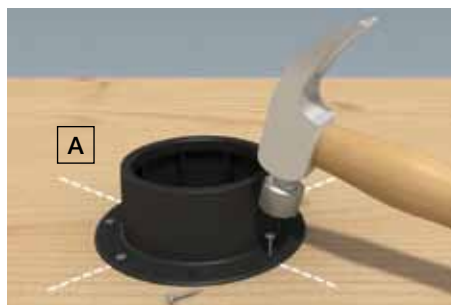
To integrate the trap function into your outlet installation, simply create an inlet elbow (ref. CT8 or CT88) in an inspection box (ref. RETX or RPCT) at the foot of the downpipe.

No more insufficient trap seal problems in summer! Your 70 mm trap seal will work perfectly all summer long and your structure will be easy to maintain.

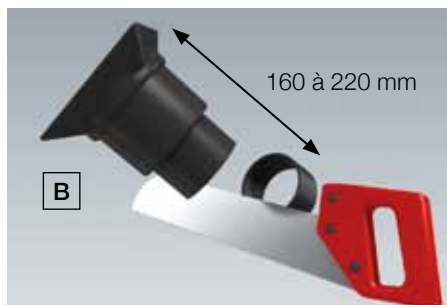


INSTALLATION

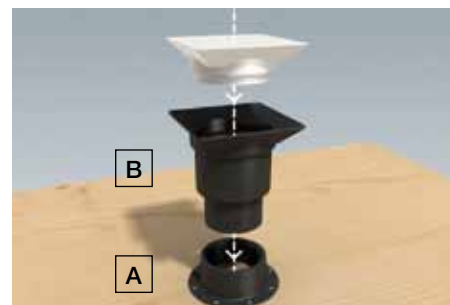
STAGE 1: INSTALLATION OF THE LOWER BODY ON THE CASING END PIECE



Position and tack the casing end-piece (A) at the defined location of the slab traverse



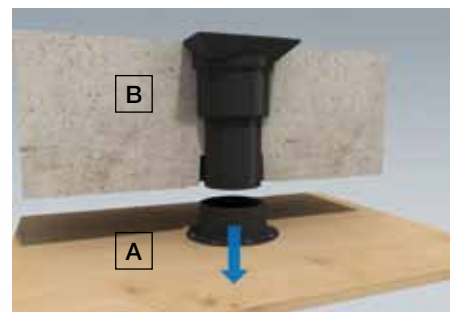
Cut the lower body (B) according to the desired height depending on the thickness of the slab (from 160 to 220 mm).



Position the lower body (B) with its polystyrene protection, into the casing end-piece (A).



Pour the concrete slab or plug with an anchoring mortar. The polystyrene protector is flush with the poured surface.



After the slab has dried, remove the casing end piece (A).

STAGE 2: INSTALLATION OF THE SEALING MAT

The upper elements of the outlet are installed after the slab dries and the polystyrene protector is removed.



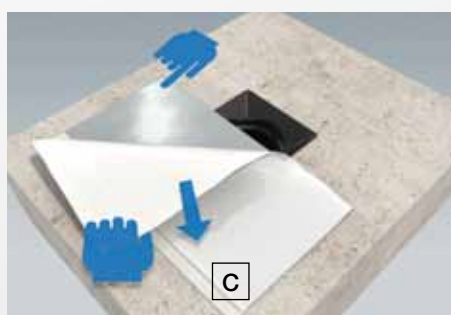
Remove the dust around the outlet. Position the sealing mat (C). Fold in 2. Remove the protective film.



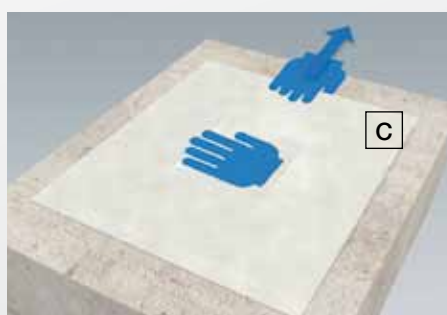
Glue the first part of the mat...



... and rub it.



Remove the second part of the protective film...



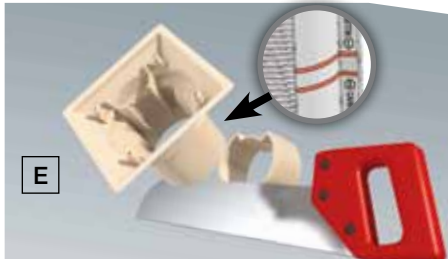
... and glue the second part of the mat.



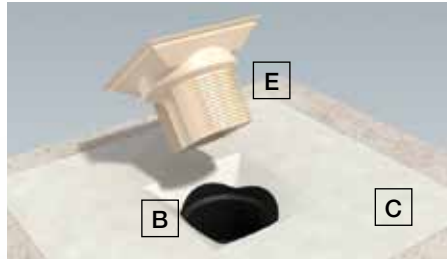
Use a safety cutter to cut the central area into a cross

STAGE 3: INSTALLATION OF THE UPPER ADJUSTABLE BODY

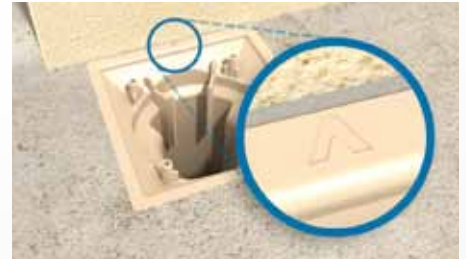
Case 3a: Unsurfaced or painted concrete finish (concrete slab): the final height is identical to the poured slab or culvert bottom. **Case 3b: Tiling finish (seal on the concrete slab).** In these two cases, the adjusting ring (D) is not necessary.



Cut the upper body (E) at mark no.1 (case 3a) or no.2 (case 3b).



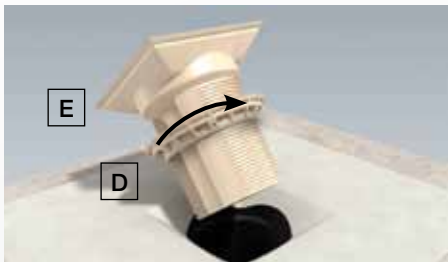
Introduce the upper adjustable body (E) into the lower body (B) through the mat (C).



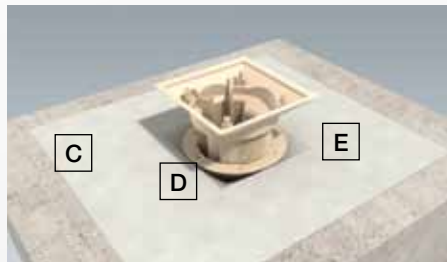
Make sure the mark is positioned facing the wall that receives the collars of the stack tube.

Case 3c: studded slabs or wooden deck finish, or tiling on cowl (seal under cowl)

In this case, the adjusting ring (D) is necessary.



Screw the adjusting ring (D) onto the lower body at the desired height.



Introduce the upper body (E) equipped with the adjusting ring (D) into the lower body (B) through the mat (C).



Make sure the mark is positioned facing the wall that receives the collars of the stack tube.



Tiling finish example.



Studded slab finish example.

STAGE 4: INSTALLATION OF THE SOLID GRATING OR STACK TUBE

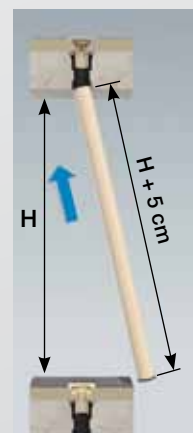
Case 4a: departure outlet (no rain water downpipe) **Case 4b: stack outlet**



Position the solid grating (G).



Position the stack tube grating (G) on the outlet. Position the spoiler ring (F) in the lower part of the stack tube.



To define the height of the stack tube, measure the height (H) between the finished floor and the soffit of the balcony and add 5cm.

Insert the stack tube at an angle into the expansion chamber of the upper floor.

Then lower the stack tube on the stops of the outlet of the lower floor. Install 2 clamps in the upper part and lower part in order to make the assembly rigid.



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NICOLL is ISO 9001v2008 and ISO14001v2004 certified

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SAS (business corporation) with a capital of €7,683,431 - 060 200 128 RCS Angers

an **Aliaxis** company