



**Montageanleitung**

Installation instructions

Instructions de montage

Istruzioni per il montaggio

Instrucciones de montaje

Variana Vaioaset

## THE VARIANA-VAIOSET COMPLETE SYSTEM

Take a little time and read the operating instructions of the Variana-Vaioset carefully.

In these operating instructions, the symbols described below are used. They refer to instructions and notes which require your special attention.



The function of the Variana-Vaioset may be disturbed.



This may damage your health or that of any other person using the bathtub.

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### EXPLANATION

- Kaldewei prepared these operating instructions to the best of its knowledge.
- Kaldewei reserves the right to change the contents of the operating instructions without being obliged to inform any third parties.
- Kaldewei reserves the right to modify and improve the technical system without being obliged to inform any third parties. Please read the attached additional information, if necessary.
- No part of these operating instructions may be reproduced or transferred otherwise without the express approval of Kaldewei.

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## SCOPE OF SUPPLY

The Variana-Vaioset is partly preassembled. The contents of the packing are subjected to extensive quality and performance checks.



Check the contents of the packing for completeness and possible transport damage.

### MOUNTING IN A RECESS:

- Right-hand or left-hand type bathtub (1x)
- Height-adjustable feet (4x), threaded rods (2x), wing nuts (2x) and hexagon nuts M6 (2x)
- Casing of base part (1x)
- Casing of upper part (1x)
- Z-profiles (3x)
- Wall fixing brackets (4x), screws (4x) and wall plugs 10 mm (4x)
- Spacers (2x), hexagon nuts M10 (4x) and washers (4x)
- Tile wedges (5x)
- Tube of adhesive (1x)
- Installation instructions for sanitary fitter

### WALL MOUNTING:

- Right-hand or left-hand type bathtub (1x)
- Height-adjustable feet (4x), threaded rods (2x), wing nuts (2x) and hexagon nuts M6 (2x)
- Casing of base part for long side, head and foot sections (1x each)
- Casing of upper part for long side, head and foot sections (1x each)
- Z-profiles (7x)
- Wall fixing brackets (4x), screws (4x) and wall plugs 10 mm (4x)
- Assembly angles for casing (6x)
- Spacers (2x), hexagon nuts M10 (4x), washers (4x)
- Tile wedges (5x)
- Tube of adhesive (1x)
- Installation instructions for sanitary fitter

### CORNER MOUNTING:

- Right-hand or left-hand type bathtub (1x)
- Height-adjustable feet (4x), threaded rods (2x), wing nuts (2x) and hexagon nuts M6 (2x)
- Casing of base part for long side and head/foot sections (1x each)
- Casing of upper part for long side and head/foot sections (1x each)
- Z-profiles (5x)
- Wall fixing brackets (4x), screws (4x) and wall plugs 10 mm (4x)
- Assembly angles for casing (3x)
- Spacers (2x), hexagon nuts M10 (4x), washers (4x)
- Tile wedges (5x)
- Tube of adhesive (1x)
- Installation instructions for sanitary fitter

### TO BE PROVIDED BY THE CUSTOMER:

- Earthing cable (green/yellow, min. 4 mm<sup>2</sup> copper) of sufficient length for connection to the local equipotential bonding strip
- Drain and overflow fitting with siphon trap
- Suitable fixing devices (anchors)

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## TRANSPORT

The following instructions have to be observed when transporting the Variana-Vaioset:

 Transport the Variana-Vaioset in its transport box only and avoid improper loads.

 Kaldewei shall not assume any liability for damage incurred due to improper intermediate storage and for damage in transport resulting from the non-compliance with the above instructions.

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## REQUIRED TOOLS


Apart from the specific tools needed for the installation of the Variana-Vaioset, the following tools are required in addition:


1. Spirit level (>60 cm)
2. Spray gun with silicone cartridge (white)
3. Folding rule
4. Compass saw with metal saw blade
5. Ring or open-end spanner WAF 10


## BINDING INSTALLATION INSTRUCTIONS


 The installation of the Variana-Vaioset must be carried out by an authorized sanitary shop.

 Before and after installation of the Variana-Vaioset, the wall conditions have to meet DIN 18157 (execution of ceramic casings in a thin mortar bed).

 The equipotential connection (earthing) must be carried out by an authorized electrical fitter.

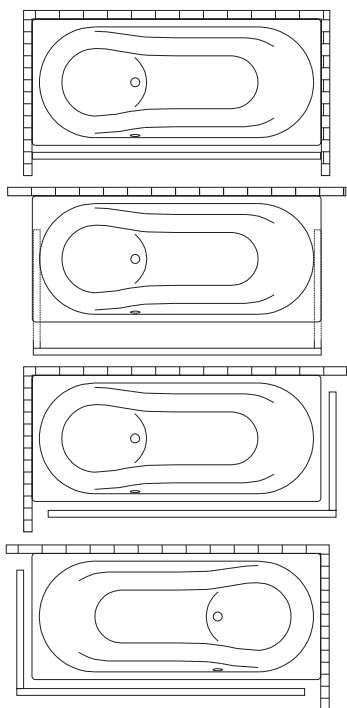
 When installing the bathtub, protect its surface and casing as well as the wall and floor tiles from damage.

 Avoid soiling of any kind. In particular, avoid soiling which might cause clogging when the drain is installed.

 When installing the Variana-Vaioset, the individual casing parts should be glued together by means of the supplied adhesive at a temperature of at least +5°C.

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## SETTING UP THE BATHTUB



### MOUNTING IN A RECESS:

Bathtub of the right-hand or left-hand type, casing consisting of base part and upper part

### WALL MOUNTING:

Bathtub of the right-hand or left-hand type, casing consisting of a base part and an upper part for the long side and the head/foot sections each

### LEFT-HAND CORNER MOUNTING:

Bathtub of the left-hand type, casing consisting of a base part and an upper part for the long side and the head/foot sections each

### RIGHT-HAND CORNER MOUNTING:

Bathtub of the right-hand type, casing consisting of a base part and an upper part for the long side and the head/foot sections each

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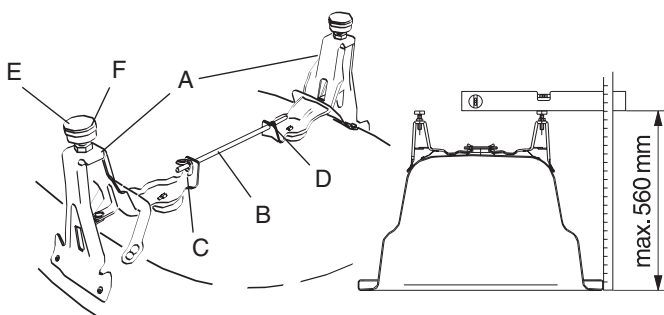
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## MOUNTING THE HEIGHT-ADJUSTABLE FEET



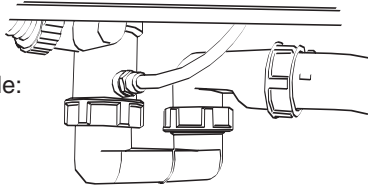
**Note I:** Do not remove the cardboard collar until the bathtub has been set up to avoid damage to the tub edge.

**Note II:** The black sound isolating elements (E) have to be inserted in the blue foot caps (F) with their hard, bright side facing outward.


- Place the bathtub on the floor with the tub edge facing downward (see note I).
- Place the height-adjustable feet (A, 4x) on the bathtub, as shown in the illustration.
- Fix the height-adjustable feet by means of the threaded rod (B), the wing nut (C) and the hexagon nut (D).
- Check the sound isolating elements (E) (see note II).
- Preset the height-adjustable feet to the mounting height of max. 560 mm by means of a spirit level and a folding rule (see illustration).
- Turn over the bathtub and set it up in its final place.

## CONNECTION OF DRAIN AND OVERFLOW FITTINGS

Installation example:  
Siphon trap not included in the scope of supply



- Connect the drain and overflow fittings to the local sewerage.

 Pay attention to the proper fit of the screwed and plug-in connections.

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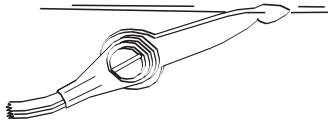
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## EQUIPOTENTIAL BONDING



- Equipotential connection of the bathtub to the local equipotential bonding strip.


 The equipotential connection (earthing) must be carried out by an authorized electrical fitter. In Germany, equipotential bonding is no longer imperative according to DIN VDE 011-701, ed. February 2002.

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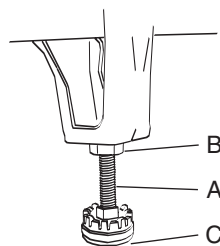
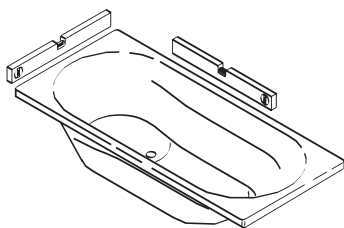
Earthing cable - green/yellow, min. 4 mm<sup>2</sup>, copper

## FILLING THE BATHTUB


- Close the drain and overflow fittings and fill the bathtub with water.


 The water remains in the bathtub while the casing is mounted and the bathtub joints finally pointed with silicone.

## ALIGNMENT OF THE BATHTUB

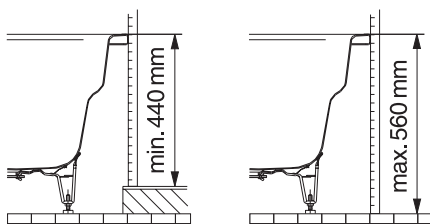


- To align the bathtub, turn the height-adjustable feet (A) clockwise or counter-clockwise.
- After the alignment, secure the height-adjustable feet against displacing by means of the hexagon nut (B).

 Set up the bathtub in exactly horizontal position by means of a spirit level to ensure a reliable water drainage (drainage test).

 When aligning the bathtub, make sure that the four feet with the sound isolating elements (C) are all standing firmly on the ground.

## CHECKING THE MOUNTING HEIGHT

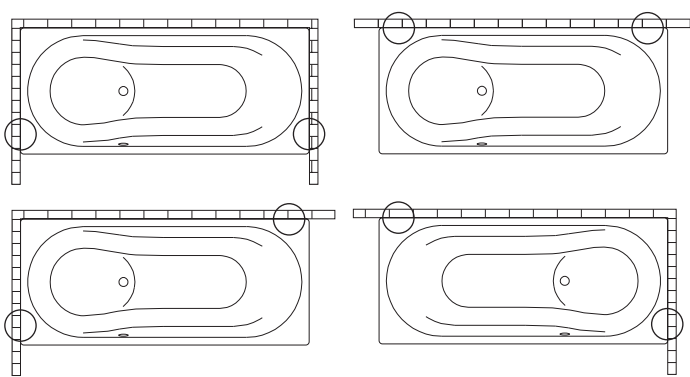


- Check the preset mounting height (min. 440 mm to max. 560 mm) from the upper edge of the bathtub rim to the floor by means of a folding rule.

**!** It is not possible to install the casing in the case of deviations from the preset mounting heights (min. 440 mm to max. 560 mm).

**!** If the floor is not horizontal in the area of the bathtub, the mounting height should be measured in several places.

## FIXING DEVICES AND SOUND INSULATION



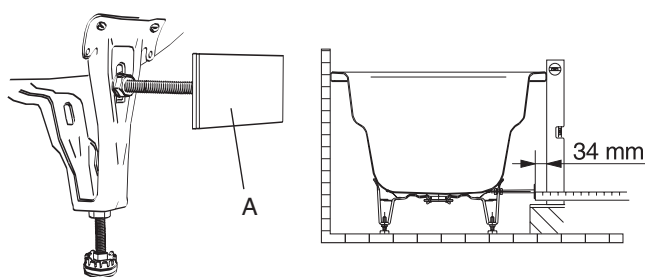
- Fasten the bathtub in the shown positions by means of anchors (not included in the scope of supply).

**!** The height-adjustable feet only serve as aids to set up the whirlpool in exactly horizontal position. Additional bathtub fixing devices have to be mounted.

**!** When using fixing devices or sound-absorbing sets available in sanitary shops, the manufacturer's instructions have to be observed.

Kaldewei bathtub sound-absorbing set (Article number: 6876.7559.0000)

## MOUNTING OF THE SPACERS



- Insert spacer (A, 2x) with washer and two hexagon nuts M10 into the elongated hole of the height-adjustable foot.
- Adjust an offset of 34 mm from the tub edge at the threaded rod of the spacer by means of a spirit level and a folding rule (see illustration).
- Secure the adjusted spacer (A, 2x) against displacing by means of the hexagon nut M10.

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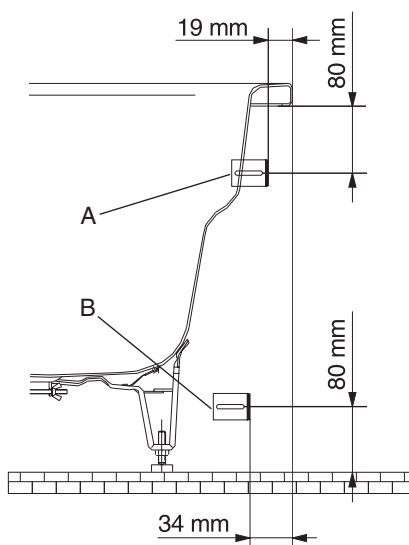
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## MOUNTING THE WALL FIXING BRACKETS



- Hold wall fixing bracket (A) at a distance of approx. 80 mm from the tub edge with an offset of 19 mm from the tub edge (see illustration) by means of a spirit level and a folding rule and mark the centre of the bore.
- Hold wall fixing bracket (B) at a distance of approx. 80 mm from the tiled floor with an offset of 34 mm from the tub edge and mark the centre of the bore.
- Make a bore (dia. 10 mm) and insert wall plug (see notes).
- Screw down the wall fixing bracket and check the specified offset.
- Repeat the operations described above at the long sides and head sections.

When mounting the wall fixing brackets, make sure that there are no power cables or water pipes running in the area of the bore to be made.

When drilling tiles, there is a risk of breakage. Either centre-punch the bore mark or protect the bore position by means of adhesive tape.

The supplied wall plugs are suitable for concrete and sand-lime brick only. For other construction materials, use appropriate special wall plugs.

## CUTTING THE LONGITUDINAL CASING PARTS TO SIZE

The bathtub is delivered with a length of either 1600 mm or 1700 mm.

The supplied longitudinal parts (upper and/or base part) are 1700 mm long for mounting in a recess and 1696 mm long for corner mounting.

If the bathtub has a length of 1600 mm, the upper and base parts have to be shortened by 100 mm when installing the casing.

The side of the casing which is opposite the corner profile is cut to size.

Do not remove protective foil until casing has been cut to size.

To avoid splintering of the PVC surface, a metal saw blade must be used.

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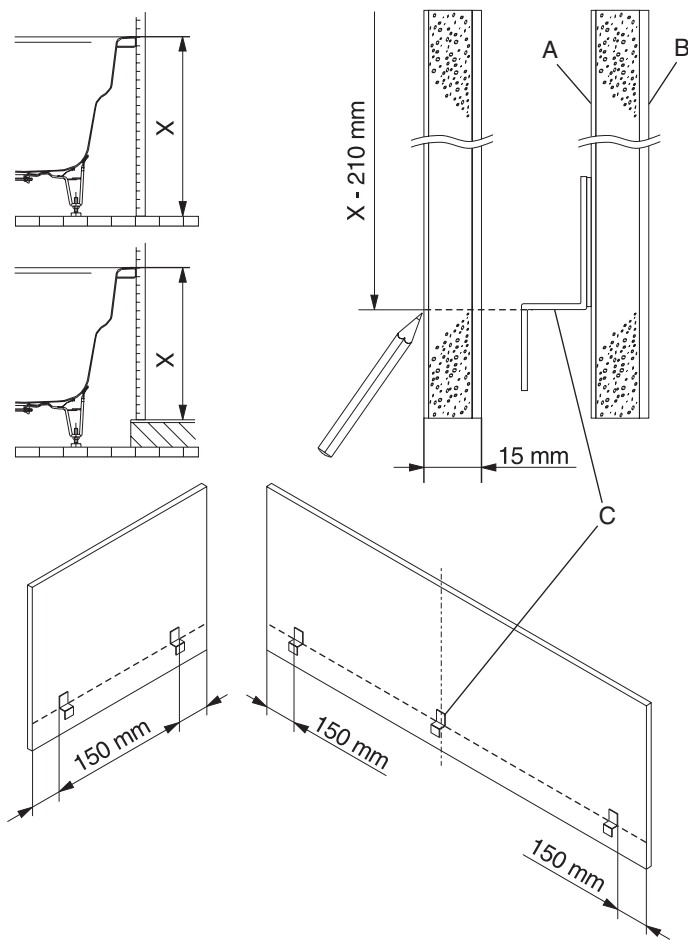
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## GLUEING ON THE Z-PROFILES



**!** Note I: If the floor is not horizontal in the area of the bathtub, the distance (X) should be measured in several places.

**!** Note II: Glue the Z-profiles on carefully. Once glued on, the Z-profiles cannot be aligned subsequently.

A = Inside of the casing  
(material thickness PVC 0.5 mm)

B = Outside of the casing  
(material thickness PVC 1.4 mm)

- Measure the distance (X) between the upper edge of the bathtub rim and the floor by means of a folding rule (see note I).
- Mark the distance (X - 210 mm) from the upper edge of the upper casing part on the back of the long sides and head sections.
- Remove protective foil of the twin-sided adhesive tape at the Z-profiles (C).
- Glue two Z-profiles (C) to the long side of the upper part, as illustrated, at a distance of approx. 150 mm from the outer edge (see note II).
- Glue one Z-profile (C) to the middle of the long side of the upper part.
- In the case of wall/corner mounting, two Z-profiles (C) are glued to the head/foot sections of the upper part at a distance of approx. 150 mm from the outer edge.

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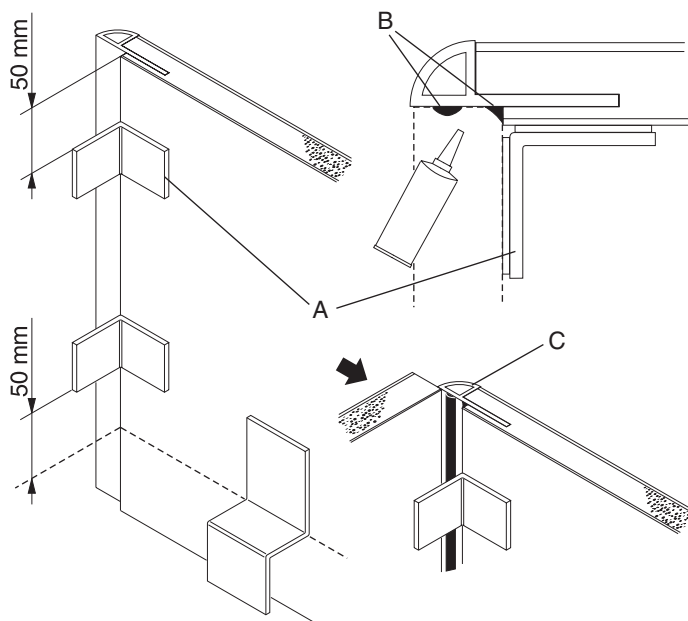
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## CONNECTING THE LONGITUDINAL PARTS, HEAD/FOOT SECTIONS



- Remove protective foil of the twin-sided adhesive tape at the assembly angles of the casing (A) on one side only.
- Glue one assembly angle of the casing (A) to the longitudinal part of the casing at a distance of 50 mm from the upper edge (e.g. using the head/foot section as an installation aid).
- Glue on a second assembly angle of the casing (A) at a distance of 50 mm above the mark for the Z-profiles.
- Apply two continuous beads (B) of the supplied adhesive in the corner area from top to bottom (see detail).
- Remove protective foil of the twin-sided adhesive tape from both glued on assembly angles of the casing (A).
- Press longitudinal parts and head/foot sections together at a right angle, making sure that the surfaces are flush with the corner profile (C) (see note I).
- Repeat the operations described above with the longitudinal parts and head/foot sections of the base part of the casing.
- Glue one assembly angle of the casing (A) to the middle of the base part of the casing.

In the case of wall/corner mounting (see page 4), the longitudinal parts and head/foot sections of the base part and upper part of the casing are glued together at a right angle.

**!** Note I: Stick several wide adhesive tapes tightly around the corner thus formed in order to fix the glued casing parts.

**!** The processing temperature has to be at least +5 °C. The processing time of the supplied adhesive is approx. 1 hour - the adhesive is completely hardened after 24 hours.

**!** Immediately remove excess adhesive from the surfaces of the casing by means of a dry cloth.

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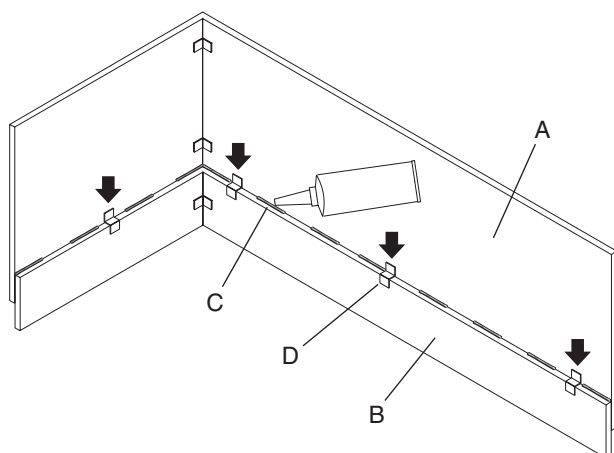
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## CONNECTING BASE PART AND UPPER PART



- Remove protective foil from upper part (A) and base part (B).
- Place upper part (A) onto the base part (B) of the casing, making sure that the surfaces are flush-mounted.
- Place the casing in front of the bathtub as a trial - make sure that there is an air gap of approx. 3 mm between the bottom wall edge and the upper part (see notes I/II).
- Move the casing away from the bathtub.
- Apply the supplied adhesive (C) in beads with a length of approx. 10 cm between the Z-profiles (D), as shown in the illustration.

**Note I:** The air gap of approx. 3 mm between lower wall edge and upper part (A) is absolutely necessary for pointing the joints.

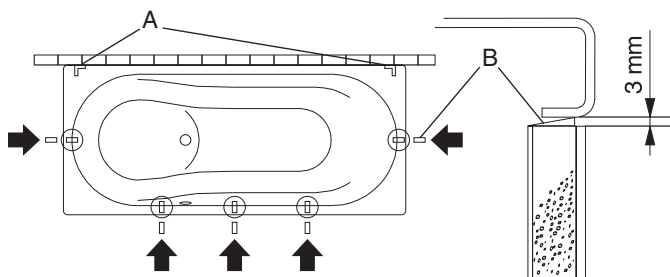
If the air gap is less than 3 mm: The casing has to be refinished (displacement of the Z-profiles or height adjustment of the bathtub).

If the air gap is more than 3 mm: The casing has to be refinished (displacement of the Z-profiles or height adjustment of the bathtub).

**Note II:** Leave recesses of sufficient size (approx. 3 mm air gap) for any pedestals or pipes mounted in the wall area of the casing.

Immediately remove excess adhesive from the surfaces of the casing by means of a dry cloth.

## FIXING THE CASING



When inserting the tile wedges, make sure that there is enough room for pointing the joints with silicone.

- Remove protective foil of the twin-sided adhesive tape from the wall fixing brackets (A).
- Place the casing in front of the bathtub.
- Press the casing firmly against the wall fixing brackets (A).
- Fasten the casing by means of tile wedges (B) in the marked places (see note).

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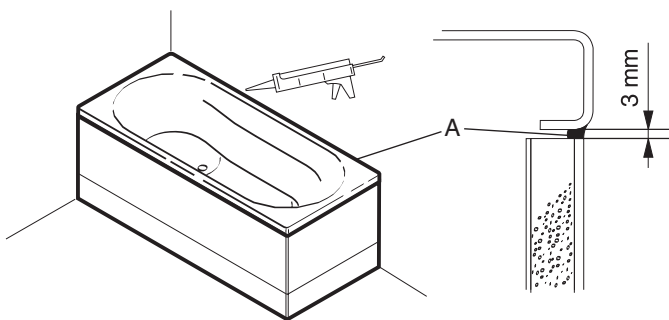
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## POINTING THE BATHTUB JOINTS



- Connect casing, bathtub and wall/floor tiles by a continuous silicone joint (A).



When making the silicone joint, make sure that the casing is not subjected to any load.

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