

# EINBAUANLEITUNG

Einbau-System-Rahmen ESR II.

- GB - Installation instructions
- F - Instructions d'installation
- I - Istruzioni di montaggio
- E - Instrucciones de montaje

**THE MOUNTING SYSTEM FRAME II**

Take a little time and read the mounting instructions of the mounting system frame II (ESR II) carefully.

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



The function of the mounting system frame II may be disturbed.



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

**EXPLANATION**

- Kaldewei prepared these mounting instructions to the best of its knowledge.
- Kaldewei reserves the right to change the contents of the mounting 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 mounting instructions may be reproduced or transferred otherwise without the express approval of Kaldewei.

**CONTENTS**

SCOPE OF SUPPLY .....	2	CUTTING AND ATTACHING THE FORMWORK PANELS .....	10
NOT INCLUDED IN THE SCOPE OF SUPPLY .....	3	LAYING THE SCREED .....	11
RECOMMENDATION .....	3	TILING WORK.....	11
TRANSPORT .....	3	PREPARING THE SHOWER BASE.....	12
BINDING MOUNTING INSTRUCTIONS.....	4	MOUNTING THE RUBBER SUPPORTING PADS.....	13
POSITION OF THE FOOT UNITS .....	5	MOUNTING THE SIPHON TRAP .....	13
PREPARING THE FOOT UNITS .....	6	MAKING RECESSES OR THROUGH HOLES IN THE FLOOR.....	14
MOUNTING THE FOOT FRAME .....	7	CHECKING THE ASSEMBLY DIMENSIONS .....	15
ALIGNING THE FOOT FRAME.....	8	MOUNTING THE SHOWER BASE .....	15
FASTENING THE FOOT FRAME .....	8	FASTENING THE SIPHON TRAP .....	16
PLACING THE FORM DISMANTLING AIDS .....	9	SEALING OF THE JOINT EDGES.....	16

D

GB

F

I

E

**Installation Instructions**  
Sanitary fitter

### SCOPE OF SUPPLY

The ESR II are partly preassembled. The contents of the packing are subjected to extensive quality and performance checks.



Compare the size of the ESR II with the size of the Kaldewei shower base provided. Check the contents of the packing for completeness and possible transport damage.

\*/\*\* = Extended scope of supply

<p>Frame including creep water hose, sliding blocks (foot supports) and sound isolating strip</p>	80/75 80/80 90/70 90/75 90/80 90/90	100/75 100/80 100/90 110/80 110/90 120/70 120/75 120/80 120/90 130/80 * 130/90 * 140/70 * 140/75 * 140/80 * 140/90 * 150/70 * 150/75 * 150/80 * 150/90 *	100/100 110/100 120/100 120/120 130/100 * 140/100 * 150/100 * 150/150 ** 160/70 * 160/75 * 160/80 * 160/90 * 170/70 * 170/75 * 170/90 * 180/80 * 180/90 *	160/100 170/100 180/100	90/90	100/100	80/80 90/90	100/100
<p>Sliding blocks</p>	4	6	8	10	6	8	6	8
<p>Foot units/ Foot extensions</p>	je 4	je 6	je 8	je 10	je 6	je 8	je 6	je 8
<p>Rubber supporting pads</p>	4	4	4	4	3	3	3	3
	-	2*	4*/4**	4	2	2	2	2
<p>Rubber holding profile</p>	4	4	4	4	5	5	4	4
<p>Installation aids</p>	4	4	4	4	3	3	3	3
	-	-	-	-	2	2	-	-
	-	-	-	-	-	-	1	1
<p>Formwork panels</p>								
940 mm	3	2*	2*	2	1	1	-	-
1240 mm	-	3/2*	3/2*/4**	2	1	1	1	1
900 mm	-	-	-	-	-	-	1	1
<p>Form dismantling aid</p>	6	6/8*	6/8*/9**	8	6	6	6	6

D

GB

F

I

E

Installation Instructions  
Sanitary fitter



2x Floor fastening device including washers, screws and wall plugs



1x Hose for creep water connection with backflow preventer (preassembled)



1x Hose clip



1x Fleece butyl sealing tape



1x Mounting instructions for sanitary fitters/Mounting instructions for tilers



1x Cleaning note

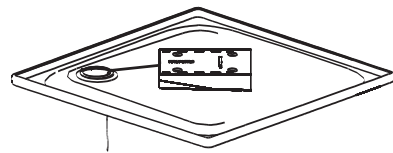
### NOT INCLUDED IN THE SCOPE OF SUPPLY

- Special wall plugs for fastening the foot frame to walls built from materials other than concrete or sand-lime brick
- Earthing cable (green/yellow, min. 4 mm<sup>2</sup> copper) of sufficient length for connection to the local equipotential bonding strip
- Central support system for shower trays larger than 90 cm required – Kaldewei central support system MAS 5305 or 2-component PUR foam

### RECOMMENDATION

Kaldewei recommends the use of the central support system MAS 5305 for shower bases larger than 90 cm. Not suitable for CONOFLAT.

For further information you are referred to [www.kaldewei.com](http://www.kaldewei.com).



### TRANSPORT

The following instructions have to be observed when transporting the mounting system frame II:



Transport the ESR II in its transport box only and avoid improper loads.



Take special care for the transport of the ESR II through narrow doors. Larger ESR II models should be carried by two persons.



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.

D

GB


















F

I

E

Installation Instructions  
Sanitary fitter

### BINDING MOUNTING INSTRUCTIONS

-  The installation of the ESR II must be carried out by an authorized sanitary shop.
-  Before and after installation of the ESR II, the wall conditions have to meet DIN 18157 (execution of ceramic casings in a thin mortar bed).
-  Prior to installation of ESR II walls and bottom must be provided with a solvent-free sealing coating.
-  Exclusively use solvent-free sealing compounds and wet area adhesive primers.
-  The total tile thickness taken into consideration for the construction amounts to 10 mm including tile adhesive. Other total tile thicknesses must be agreed with the supervisor.
-  Several ESR II's cannot be installed flush side by side.
-  The equipotential connection (earthing) must be carried out by an authorized electrical fitter.
-  When mounting the frame, protect the surface of the shower base, the wall and floor tiles and the frame from damage.
-  Avoid soiling of any kind which might cause clogging of the drain when installing the siphon trap and the creep water connection.
-  All work has to be carried out using special technical tools.
-  The relevant working guidelines of all the trades involved shall be observed. Sanitary fitter and tiler have to coordinate their work.
-  Wear suitable protective clothing during installation, especially when using tools.
-  For application of mounting materials, such as two-component PUR foam, silicone, etc., the manufacturer's instructions shall be observed.
-  Two-component PUR foam is, among other things, highly inflammable. During application and curing, adequate ventilation is to be ensured. No open flame should be used in the entire area.
-  The ESR II is sound isolated according to DIN 4109/A1. In order to meet DIN 4109/A1 (sound insulation in building construction, requirements and verifications A1), all statements and notes included in the mounting instructions and the compliance with any other sound protection measures by the customer have to be taken into consideration.
-  After completed installation of the ESR II and shower base, these mounting instructions shall be handed over to the owner (end user) or to the supervisor or architect acting as his agent.
-  The enclosed cleaning notes have to be made available by the installing specialist company or the owner of the shower base to the subsequent owners and users.

Subject to technical modifications and tolerances.

D

GB

F

I

E

**Installation Instructions**  
 Sanitary fitter

### POSITION OF THE FOOT UNITS

ESR II	80/75 80/80 90/70 90/75 90/80 90/90	100/100 110/100 120/100 120/120 130/100 140/100 150/100 150/150	100/75 100/80 100/90 110/80 110/90 120/70 120/75 120/80 120/90 130/80 130/90 140/70 140/75 140/80 140/90 150/70 150/75 150/80 150/90	160/70 160/75 160/80 160/90 170/70 170/75 170/90 180/80 180/90	160/100 170/100 180/100	90/90	100/100	80/80 90/90	100/100
Foot units	4 each	8 each	6 each	8 each	10 each	6 each	8 each	6 each	8 each
Position									

D

GB

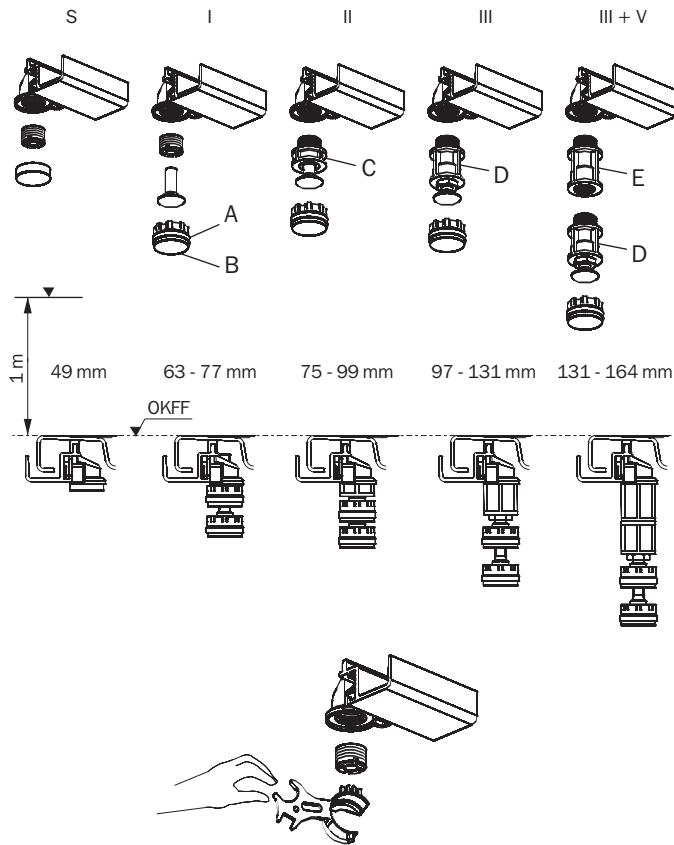
F

I

F

**Installation Instructions**  
Sanitary fitter

### PREPARING THE FOOT UNITS



- Install foot units according to the installation height required (see note I).
- Fasten foot caps (A) and sound isolating elements (B) to the respective foot units.
- Check the sound isolating elements (B) (see note II).
- Attach the foot extensions (E), if necessary.



The mounting height of the foot frame has to be established with the supervisor with binding force according to the metre line. (OKFF).



Note I: Do not use tools to tighten the foot units since the threads might be damaged.



Note II: The black sound isolating elements (B) have to be inserted in the blue foot caps (A) with their hard, bright side facing outward. After installation of the foot frame the sound isolation elements (B) must have surface contact with the floor.

OKFF = Upper edge of finished floor

S = Special supports (not adjustable in height, adjustments of height must be effected by the customer by means of substructures/floor structures.)

I = Adjusting unit I

II = Adjusting unit II

III = Adjusting unit III

III+V = Adjusting unit III with foot extension

C = Foot unit 13 mm

D = Foot unit 29 mm

E = Foot extension 35 mm

D

GB

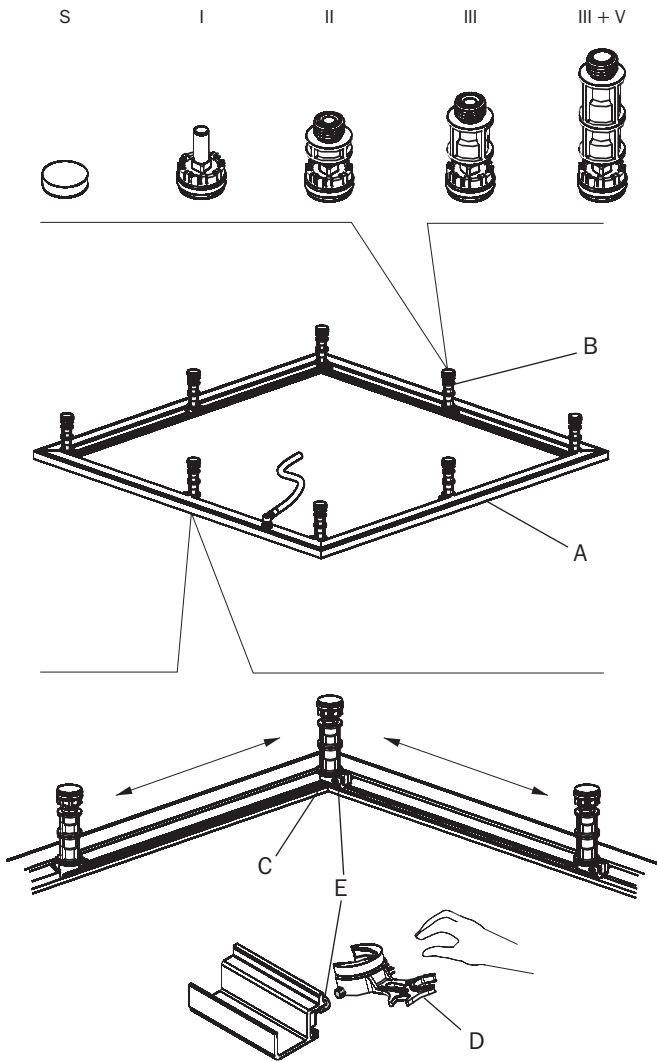
F

I

E

Installation Instructions  
Sanitary fitter

### MOUNTING THE FOOT FRAME



- Put foot frame (A) on the floor with preassembled sliding blocks (C) on top.
- Screw-in foot units (B) hand-tight/slightly blocking into the sliding blocks (C) (see note I).
- Possibly untighten sliding blocks (C) with floor fastening device (D) and shift into the suitable place according to the local situation (see note II).
- Tighten hexagon socket screws (E) of sliding blocks (C) hand-tight (see note III).
- Turn foot frame and install it in provided place (see note IV/V).



If the shower base is installed without a barrier, the waste pipe is to be laid to the back (towards the wall, depending on model).



The preassembled creep water hose may not be disconnected or dismantled.



Note I: Do not use tools to tighten the foot units since the threads might be damaged.



Note II: The position of the outer foot units should be as close as possible to the corners/curvatures of the foot frame, depending on the local conditions. The central foot units should be placed in the middle, as far as possible.



Note III: The sliding blocks are to be protected from being shifted again. The hexagon socket screws may only be tightened hand-tight, so that the sliding blocks (C) and the floor fastening devices (D) are not damaged.



Note IV: For certain mounting heights, recesses or through holes have to be made (see section: „Making recesses or through holes in the floor“, page 14).



Note V: Place the foot frame directly in front of the surface to be tiled (e.g. plaster). Subsequent plastering or casing of the wall prevents an „exchangeable mounting“ of the shower base.

D

GB

F

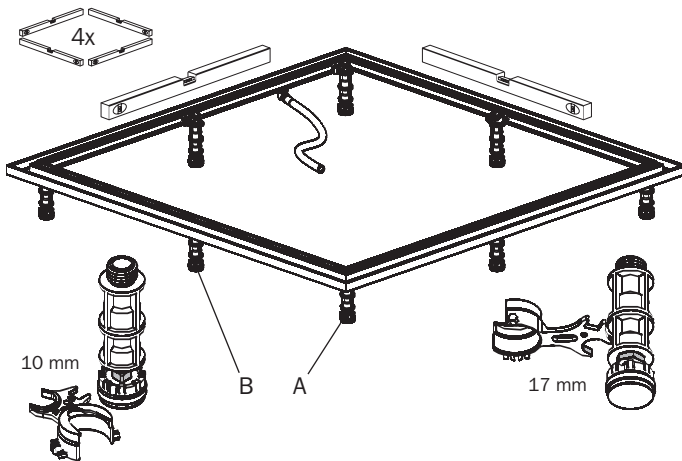
I

E

Installation Instructions  
Sanitary fitter



## ALIGNING THE FOOT FRAME



- Adjust the required height by means of the four foot units (A) at the corners of the foot frame by means of the floor fastening devices (see note I).
- Adjust the central foot units (B) such that they stand firmly on the ground and serve as a support of the foot frame (see note II).
- After the alignment of the foot frame, secure the foot units at the hexagon nuts, (if available) against displacing by means of the floor fastening devices.



Note I: Set up the foot frame in exactly horizontal position by means of a spirit level to ensure a reliable water drainage.

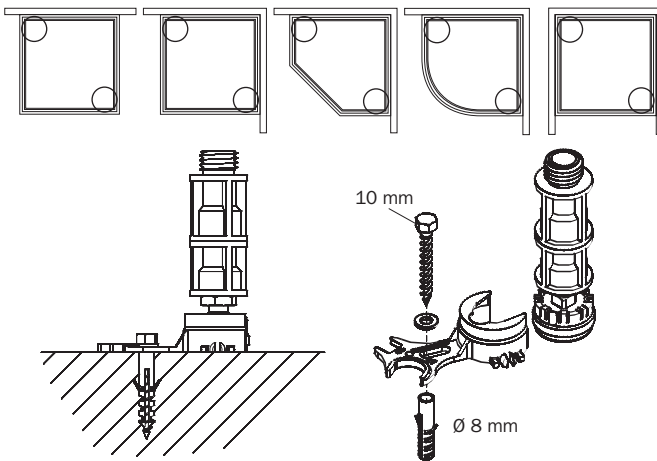


Note II: Care should be taken that the central foot units do not lift up the foot units arranged at the corners and that the foot units all stand firmly on the ground with the sound isolating elements.



If the walls adjoining the foot frame are not angular, the supervisor has to be informed and remedial action to be taken (see DIN 18 202 Tolerances in building construction - Table 2 Angle tolerances. "The walls must not exceed the tolerance by more than 6 mm over a length of 1 m").

## FASTENING THE FOOT FRAME



- Hold the floor fastening device against the floor as shown in the diagram (depending on the mounting situation) and mark the hole to be drilled in the floor.
- Make bores (Ø 8 mm) and insert wall plugs (see note I).
- Screw down wall fastening devices as shown (see note II).



For floors sealed by the customer under the shower base the foot frame must not be fastened.



Note I: The attached wall plugs are suitable for concrete and lime-sand brick only. For other construction materials, use appropriate special wall plugs or screwed fastening devices.



To ensure sound isolation from the floor the floor fastening devices are removed again before installation of the shower base.

D

GB

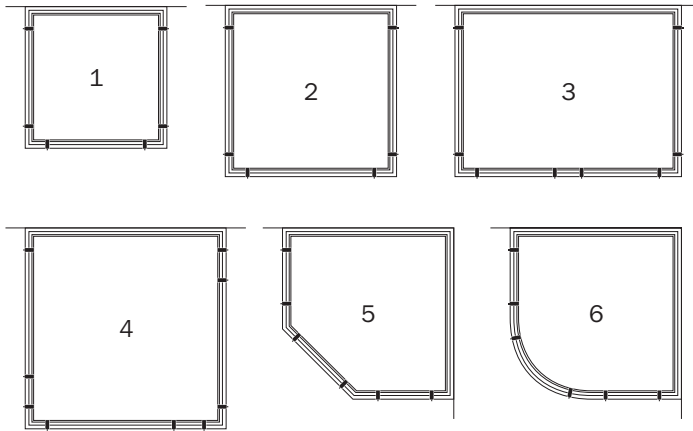
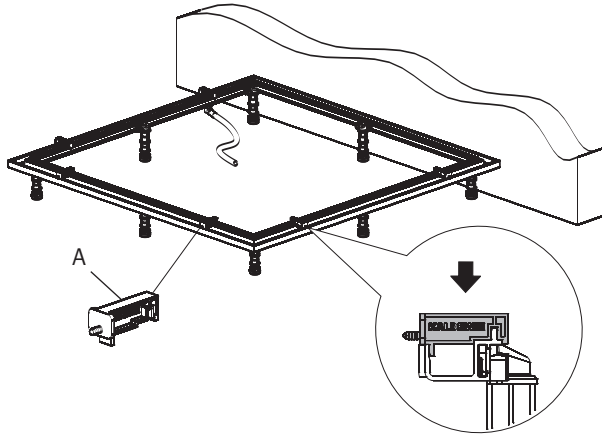
F

I

E

Installation Instructions  
Sanitary fitter

### PLACING THE FORM DISMANTLING AIDS



• Placing of the form dismantling aids (A)



Place the form dismantling aids at a distance of approx. 15 cm from the corners/curves/partitions of the formwork panels on the foot frame. For pieces of formwork panels up to 300 mm a form dismantling aid is to be centrally applied (see illustration 4).

- 1 = ESR II 80/75, 80/80,  
ESR II 90/70, 90/75, 90/80, 90/90,
- 2 = ESR II 100/75, 100/80, 100/90, 100/100,  
ESR II 110/80, 110/90, 110/100,  
ESR II 120/70, 120/75, 120/80, 120/90,  
120/100, 120/120
- 3 = ESR II 130/80, 130/90, 130/100,  
ESR II 140/70, 140/75, 140/80, 140/90,  
140/100  
ESR II 150/70, 150/75, 150/80, 150/90,  
150/100  
ESR II 160/70, 160/75, 160/80, 160/90,  
160/100  
ESR II 170/70, 170/75, 170/90, 170/100  
ESR II 180/80, 180/90, 180/100
- 4 = ESR II 150/150
- 5 = ESR II (pentagonal set) 90/90, 100/100
- 6 = ESR II (quarter-circle set) 80/80, 90/90,  
100/100

D

GB

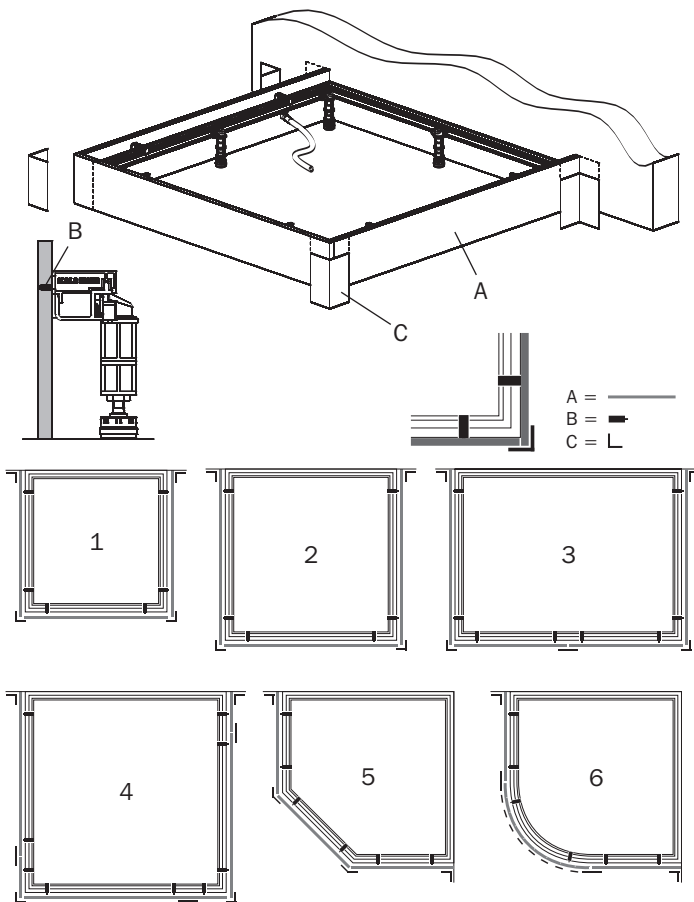
F

I

E

**Installation Instructions**  
Sanitary fitter

### CUTTING AND ATTACHING THE FORMWORK PANELS



- Cut formwork panels (A) according the side lengths of the foot frame.
- Fasten formwork panels (A) on the pins of the formwork aids (B).
- Cut fleece-butyl sealing tape (C) and stick on the corners/partitions of the formwork panels.



The formwork panels can be reduced in size by means of a cutter. For foot frames over 1200 mm side length the formwork panels must be extended in length by means of fleece-butyl sealing tape (see illustrations).



The ground has to be dust-free, fat-free and dry when sticking on the fleece-butyl sealing tape.

- 1 = ESR II 80/75, 80/80, ESR II 90/70, 90/75, 90/80, 90/90,
- 2 = ESR II 100/75, 100/80, 100/90, 100/100, ESR II 110/80, 110/90, 110/100, ESR II 120/70, 120/75, 120/80, 120/90, 120/100, 120/120
- 3 = ESR II 130/80, 130/90, 130/100, ESR II 140/70, 140/75, 140/80, 140/90, 140/100 ESR II 150/70, 150/75, 150/80, 150/90, 150/100 ESR II 160/70, 160/75, 160/80, 160/90, 160/100 ESR II 170/70, 170/75, 170/90, 170/100 ESR II 180/80, 180/90, 180/100
- 4 = ESR II 150/150
- 5 = ESR II (pentagonal set) 90/90, 100/100
- 6 = ESR II (quarter-circle set) 80/80, 90/90, 100/100



The slotted formwork panel for the radius section of the ESR II quarter circle must be reinforced on the rear side by means of fleece-butyl sealing tape (see illustration 6).

D

GB

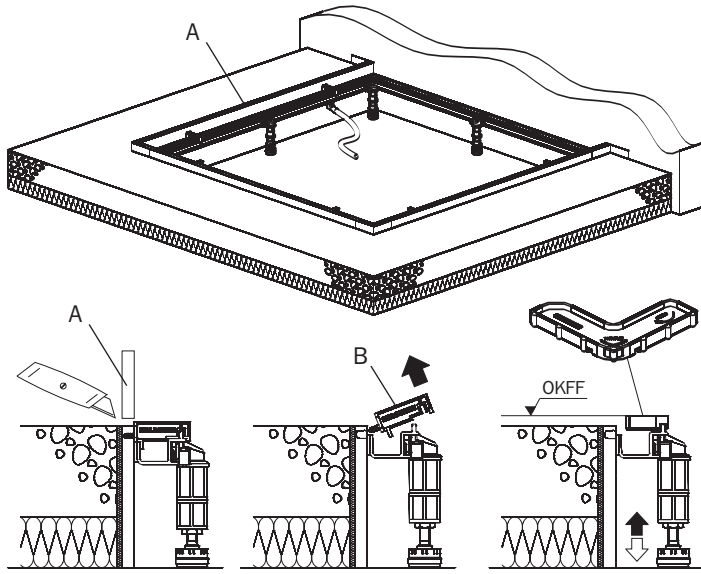
F

I

E

Installation Instructions  
Sanitary fitter

**LAYING THE SCREED**



OKFF = Upper edge of finished floor

- Lay screed.
- After the screed has hardened cut off projection of the formwork panels (A) by means of a cutter.
- Cautiously remove formwork aid (B).
- Adjust foot frame, if required, to upper edge finished floor.

**TILING WORK**

After the foot frame has been fastened, the work of the sanitary fitter has, for the time being, been completed and the tiling work has to be carried out starting on page 17 of the mounting instructions.

CONTINUE WITH PAGE 17



**Installation Instructions**  
Tiler



The mounting instructions (or copies of the pages 17 to 21), the enclosed installation aids and two or three rolls of fleece-butyl-sealing tape shall be handed over to the tiler until completion of his work.



The remaining parts required for the installation of the siphon trap and the shower base have to be kept by the sanitary fitter.

D

**GB**

F

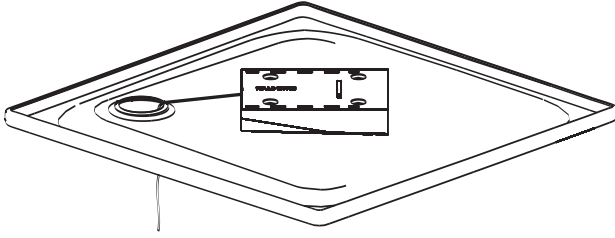
I

E

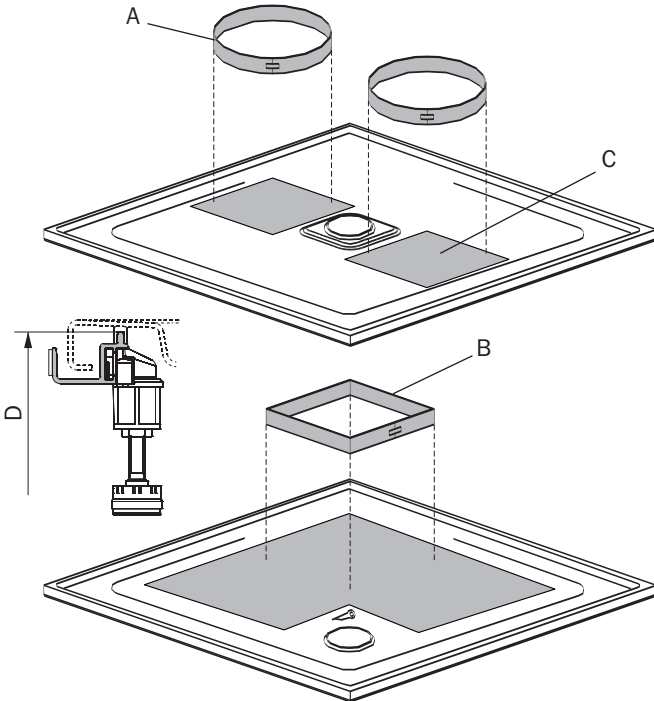
**Installation Instructions**  
Sanitary fitter

**PREPARING THE SHOWER BASE**

CENTRAL SUPPORT WITH CENTRAL SUPPORT SYSTEM MAS 5305



CENTRAL SUPPORT WITH 2-COMPONENT PUR FOAM



- Unpack shower base carefully, checking the surface for damage.
- Place upper side of the shower base on the clean transport box.
- Prepare earthing cable of sufficient length for connection to the local equipotential bonding strip (see note I).



For shower bases with the drain in non-central position Kaldewei recommends the use of the central support system MAS 5305 (for further information you are referred to [www.kaldewei.com](http://www.kaldewei.com)).



When mounting the central support system MAS 5305 observe the enclosed installation instructions.



With mounting system frames larger than 90 cm, it is imperative to support the centre of the shower base (at least 400 cm<sup>2</sup>) by means of two-component PUR foam.



Tip: Use the end strips of the cardboard box to fabricate an enclosure (A or B) for central support. The height corresponds to the height of the frame (D) less the depth of the shower base (see transport box).

For shower bases larger than 90 cm  
 A= round, dia. 22 cm  
 B= square, 20 cm x 20 cm

For ESR larger than 120 cm/  
 Shower bases with central drain  
 A= round, dia. 18 cm (2x)  
 B= square, 15 cm x 15 cm (2x)



To allow the shower base to be exchanged later on without any problems, fix large pieces of plastic foil (C, not included in the scope of supply) to the floor side with adhesive tape. The plastic foil prevents the PUR foam used for supporting the centre from sticking to the shower base.



Note I: The connection of the shower base to the local equipotential bonding strip must be carried out by an authorized electrical fitter.



Before fixing the shower base in the ESR II, the position of the fabrication strap shall be checked. The fabrication strap, the felt stuck on or the protective sleeve plugged on must not impede the fixing of the shower base.

D

GB

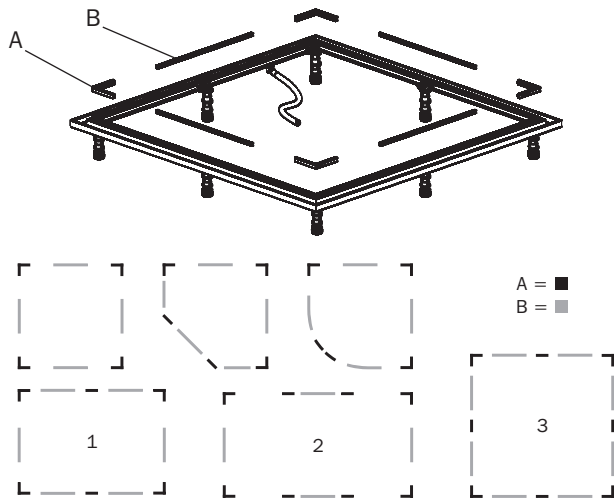
F

I

E

**Installation Instructions**  
 Sanitary fitter

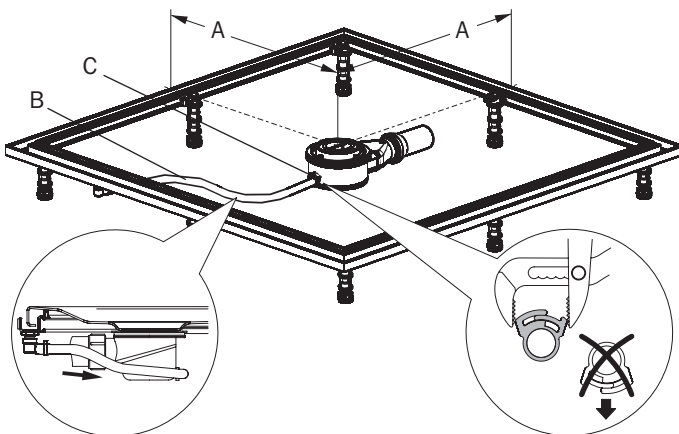
**MOUNTING THE RUBBER SUPPORTING PADS**



- 1 = ESR II 130/80, 130/90,  
ESR II 140/70, 140/75, 140/80, 140/90,  
ESR II 150/70, 150/75, 150/80, 150/90
- 2 = ESR II 130/100,  
ESR II 140/100,  
ESR II 150/100,  
ESR II 160/70, 160/75, 160/80, 160/90,  
160/100  
ESR II 170/70, 170/75, 170/90, 170/100,  
ESR II 180/80, 180/90, 180/100
- 3 = ESR II 150/150

- Remove the tiler's installation aids.
- Check the foot frame and its profiled edges for damage and soiling (floor plaster, tile adhesive), repair the damage and/or remove the soiling, if necessary.
- Place rubber supporting pads (A) in position.
- Cut to length or split the rubber holding profile (B) for the edge area between the rubber supporting pads, if necessary, and place it in position centrally.

**MOUNTING THE SIPHON TRAP**



- Fasten siphon trap in the specified position (see notes I/II).
- Shorten hose for creep water connection (B) to the appropriate length.
- Attach hose for creep water connection (B) to the siphon trap and secure it by means of hose clip (C) (see notes III/IV).
- Connect siphon trap to the local sewerage and carry out the drainage test (see note III).

- Note I: If the shower base is installed without a barrier, the drain is to be laid to the back (towards the wall). (depending on model).
- When connecting the siphon trap to the local sewerage, make sure that the gradient towards the drain is sufficient. A back-flow protection has to be installed in the waste pipe, if necessary.
- Note III: Pay attention to the proper fit of the screwed, plug-in and hose connections.
- Note IV: The hose of the creep water connection has to be laid without kinks and with a sufficient gradient towards the waste pipe.

A = 214 mm for SUPERPLAN  
A = 1/2 length/width of foot frame for CONOFLAT

For other models the dimensions are to be taken from the respective data sheets.

D

GB

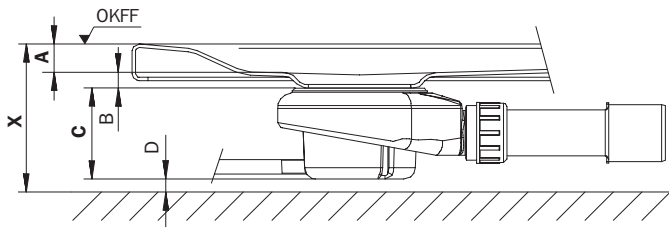
F

I

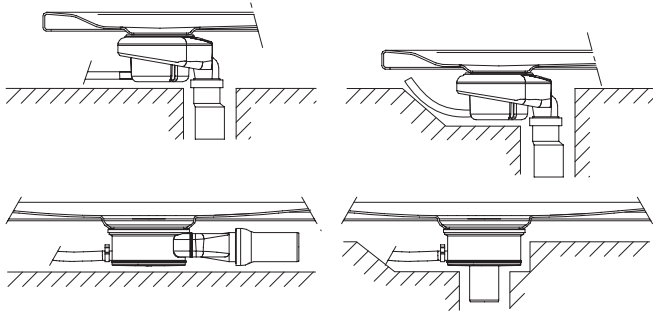
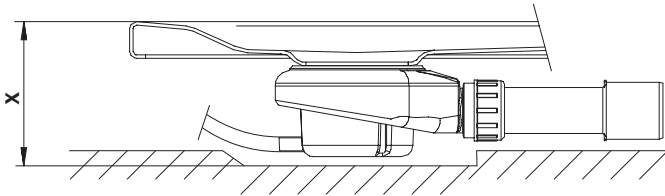
E

**Installation Instructions**  
Sanitary fitter

**MAKING RECESSES OR THROUGH HOLES IN THE FLOOR**



**A**  + B 13 mm + **C**  + D 5 mm = **X**



- Make the recess or through hole by means of the appropriate equipment (see notes).

FOR ALL SHOWER BASES EXCEPT FOR CONOFLAT/SUPERPLAN PLUS

- A** = Shower base depth (mm, see package/data sheet)
- B** = Discharge groove (depth for siphon connecting area 13 mm)
- C** = Siphon trap height (mm)
- D** = Safety distance between siphon and bottom (at least 5 mm)
- X** = Shower base height including siphon trap and safety distance for possible recesses in floor (mm)

**SIPHON TRAP HEIGHTS (C)**

- 60 mm for special drain fitting 60 mm, KA120 and KA125
- 80 mm for special drain fitting and vertical special drain fitting
- 90 mm for special drain fitting Plus

**CONOFLAT/SUPERPLAN PLUS**

- X = 117 mm for shower base CONOFLAT (all dimensions) including siphon and safety distance for possible floor recesses.
- X = 119 mm for shower base SUPERPLAN PLUS (all dimensions) including siphon and safety distance for possible floor recesses.

- With the shower base installed, the distance between siphon trap and floor has to be at least 5 mm.
- For penetrations and floor cutouts, the structural analysis and fire regulations are to be considered. Required measures are to be agreed with the supervisor.
- The connection of the siphon trap to the local sewerage and the creep water connection hose have to be mortised open, if necessary.
- The hose of the creep water connection has to be laid without kinks and with a sufficient gradient towards the waste pipe.

**D**

**GB**

**F**

**I**

**E**

**Installation Instructions**  
Sanitary fitter

## CHECKING THE ASSEMBLY DIMENSIONS

- Place the shower base carefully in position and check whether the installation is impeded by oblique tiles or walls (see note I)
- Check the heights of shower base and foot frame.
- Check the position of the siphon trap (see note II).
- Carefully remove the shower base.

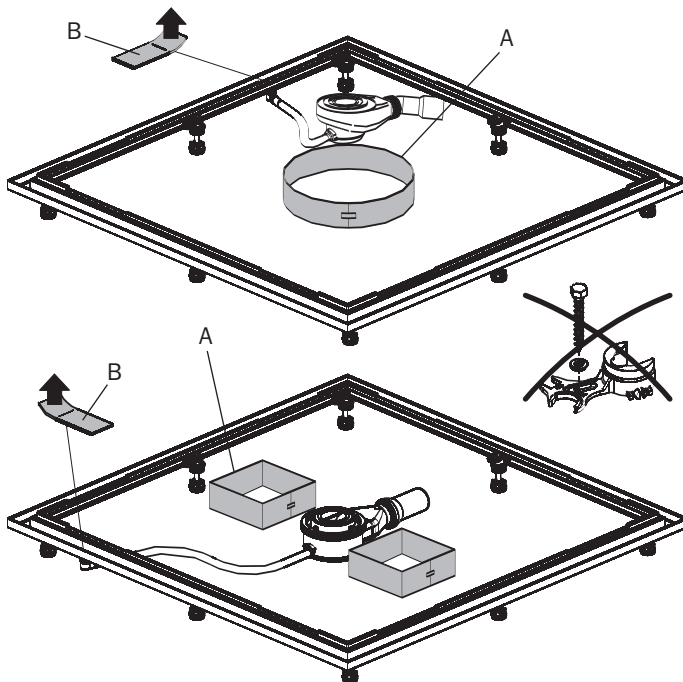


Note I: Place the shower base in position with the help of a second person, using a suitable installation aid (e.g. „vacuum suction handles“ used in window construction), if necessary.



Note II: With the shower base installed, the distance between siphon trap and floor has to be at least 5 mm.

## MOUNTING THE SHOWER BASE



- Connect the equipotential bonding to the shower base.
- Remove floor fastening devices (see note I).
- Put up the enclosure fabricated from the end strips of the cardboard box (A, see page 12) in the foot frame (if the mounting system frame is larger than 90 cm).
- Pile up two-component PUR foam in the enclosure (A) at an excessive height (see note II).
- Check the channel of the ESR II for dirt and, if necessary, clean it.
- Remove protection against contamination / plugging of the hole (B, red) for creep water connection.
- Place the shower base carefully in position (see notes III/IV/V).
- Align the shower base with an approx. 2 mm wide gap parallel to the tiles.
- Secure the shower base against displacing by means of wooden wedges or cardboard strips.



For shower bases with the drain in non-central position Kaldewei recommends the use of the central support system MAS 5305 (for further information you are referred to [www.kaldewei.com](http://www.kaldewei.com)). In this case, a central support with 2-component PU foam is not necessary.



Note I: To ensure sound isolation from the floor the floor fastening devices are removed again.



Note II: Use only two-component PUR foam (observe manufacturer's instructions). Let the shower base rest until the PUR foam has cured. Curing of the PUR foam takes longer in the absence of air. Two-component PUR foam is among other things highly inflammable. During application and curing, sufficient ventilation is to be ensured. No open flame should be used in the entire area.



Note III: Make sure that the rubber supporting pads do not slip when placing the shower base in position.



Note IV: Do not lay the earthing cable through the PUR foam or across the foot frame.



Note V: The shower base has to rest planely on the foot frame and must not tilt.

D

GB

F

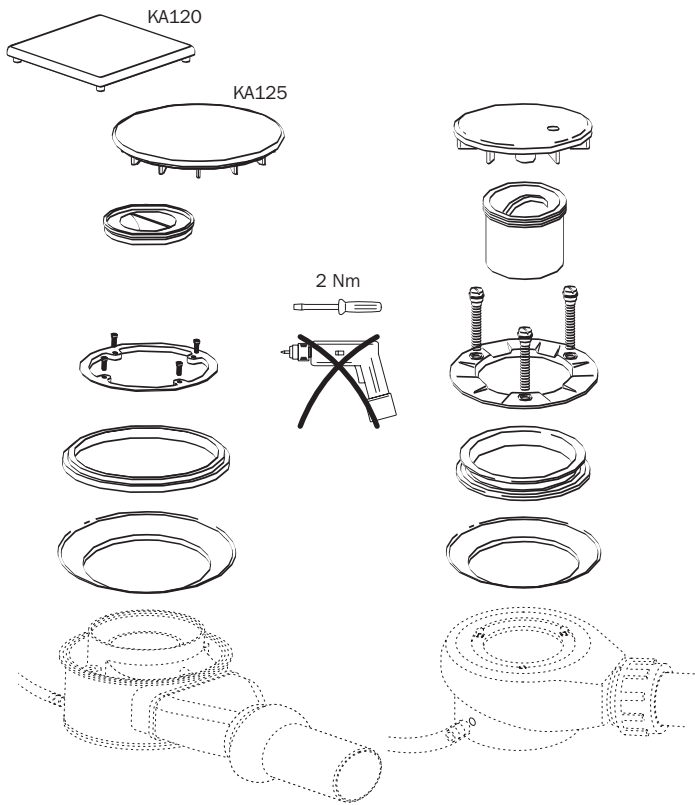
I

E

Installation Instructions  
Sanitary fitter



### FASTENING THE SIPHON TRAP



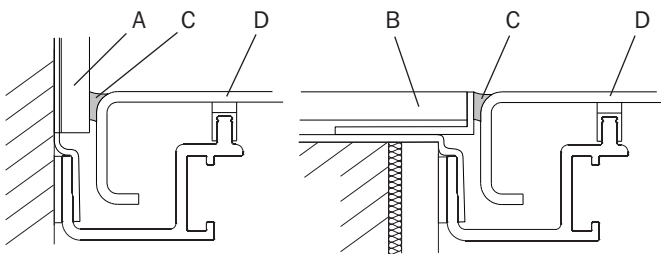
The installation instructions enclosed to the siphon traps available from Kaldewei (KA120/KA125/special drain fitting) are to be observed.

Should a different siphon trap be used, the installing guide and the instructions of the siphon trap manufacturer must be observed in addition.

When fastening the siphon trap, make sure that the floor of the siphon trap is clean and the opening of the creep water connection free.

Do not use a cordless screw driver for fastening. Tighten screws evenly to a maximum torque of 2 Nm using a normal screw driver.

### SEALING OF THE JOINT EDGES



A = Wall tile with tile adhesive  
 B = Floor tile with tile adhesive and end rail  
 C = Maintenance joint (sealing material)  
 D = Shower base

- After completion of all work and hardening of the PU foam, the joint edges are to be sealed with a suitable elastic sealing compound.
- Put a weight of approx. 50 kg (e.g. bags of cement) on the shower base during the sealing work (see note I).
- Seal maintenance joint with sealing material (e. g. silicone, acrylic) and let it rest until the sealing material has hardened completely (see manufacturer's instructions).

For application of mounting materials, such as two-component PUR foam, silicone, etc., the manufacturer's instructions shall be observed.

Note I: Protect the surface of the shower base from damage (e.g. by lining with clean cardboard).

**THE MOUNTING SYSTEM FRAME II**

Take a little time and read the mounting instructions of the mounting system frame II (ESR II) carefully.



The function of the mounting system frame II may be disturbed.

In these mounting instructions, the pictogram described below is used. It refers to instructions and notes which require your special attention.

**EXPLANATION**

- Kaldewei prepared these mounting instructions to the best of its knowledge.
- Kaldewei reserves the right to change the contents of the mounting 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 mounting instructions may be reproduced or transferred otherwise without the express approval of Kaldewei.

**CONTENTS**

AUXILIARY DEVICES.....	18	APPLICATION OF SEALING MATERIALS.....	19
NOT INCLUDED IN SCOPE OF SUPPLY .....	18	USING THE INSTALLATION AIDS.....	20
BINDING MOUNTING INSTRUCTIONS.....	18	TILING OF THE WALL .....	21
PREPARATIONS.....	18	TILING OF THE FLOOR.....	21

D

**GB**

F

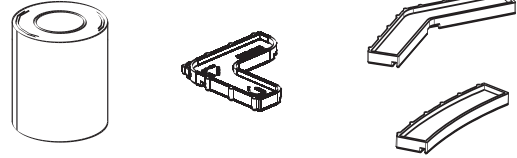
I

E

**Installation Instructions**  
Tiler

## AUXILIARY DEVICES









For laying the tiles the sanitary fitter has submitted the installation instructions, the installation aids and the fleece-butyl sealing tape (one-sided self-adhesive).






## NOT INCLUDED IN SCOPE OF SUPPLY

- Suitable rustproof end rails for floor tiles

## BINDING MOUNTING INSTRUCTIONS

- |  |  |
|--|--|
| <p> Protect the ESR II from damage and soiling when laying the tiles.</p> <p> Avoid soiling of any kind which might cause clogging of the drain when installing the siphon trap and the creep water connection.</p> <p> All work has to be carried out using special technical tools.</p> <p> Wear suitable protective clothing during installation, especially when using tools.</p> | <p> Exclusively use solvent-free sealing compounds and wet area adhesive primers.</p> <p> Only use suitable tile adhesives to avoid leakage water below the tiles.</p> <p> The total tile thickness taken into consideration for the construction amounts to 10 mm including tile adhesive.</p> <p> Before and after installation of the ESR II, the wall conditions have to meet DIN 18157 (execution of ceramic casings in a thin mortar bed).</p> |
|--|--|

## PREPARATIONS

- |  |   |
|--|---|
| <p>• Before the beginning of the tiling work, the heights of the lime floor and of the foot frame have to be checked with regard to the height of the tiles (see notes).</p> | <p> A change of the specified height of the foot frame has to be agreed with the supervisor and the sanitary fitter.</p> <p> If the substructure of the floor tiles does not extend right up to the foot frame, the space is to be filled workmanlike with supporting material without rendering the foot units inaccessible.</p> <p> For reasons of sound protection, there must be no firm contact between foot frame, foot unit and the material applied.</p> |
|--|---|

D

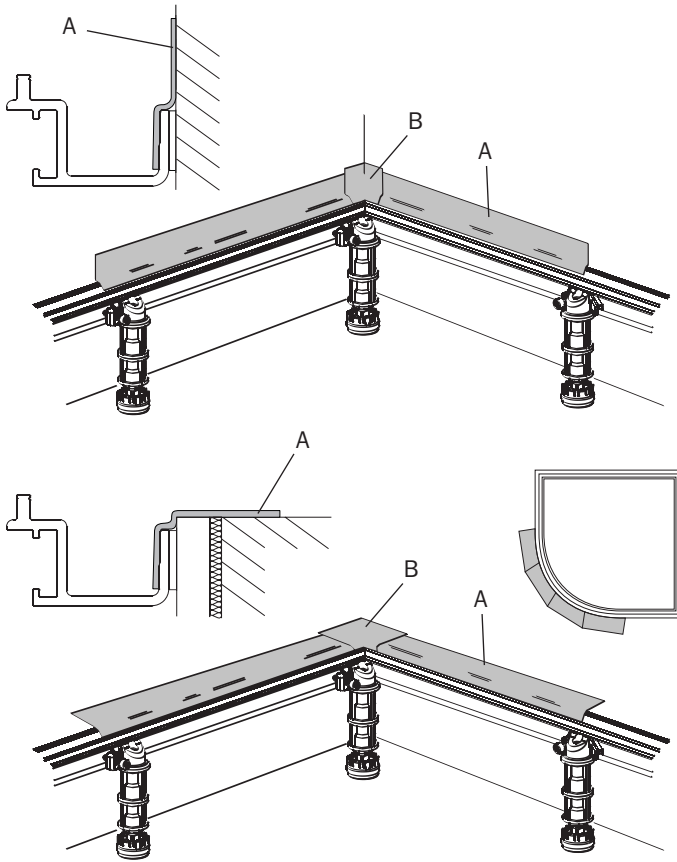
GB

F

I

E

### APPLICATION OF SEALING MATERIALS



- Cut the fleece-butyl-sealing tape to the side length of the ESR II.
- Pull off half the protective foil of the fleece-butyl-sealing tape (A).
- Put the fleece-butyl-sealing tape (A) into the ESR II according to the diagram, pressing it firmly (see notes I/II).
- Pull off upper half of the protective foil of the fleece-butyl-sealing tape (A) and firmly press it against the wall or floor, as illustrated.
- Cut angular pieces (B) from the remaining fleece-butyl-sealing tape (the angular pieces (B) have to lap over the fleece-butyl-sealing tape applied (A) by approx. 20 mm).
- Pull off protective foil of the angular pieces (B) and firmly press them against the wall or floor, as illustrated (see note III).
- Apply sealing coating on fleece-butyl sealing tape as well as wall/ bottom (see note IV).

**!** Note I: The ground has to be dustfree, fat-free and dry when affixing the fleece-butyl-sealing tape.

**!** Note II: With the ESR II for quarter circle shower bases, the fleece-butyl-sealing tape shall be attached in the area of the radius as overlapping strips of approx. 25 cm length (see small illustration).

**!** Note III: The fleece-butyl-sealing tape (A) and the angular pieces (B) have to be applied such that water cannot flow between the foot frame and the adjacent areas.

**!** Before tiling the floor and/or walls, make sure that the fleece-butyl-sealing tape is firmly and permanently connected with the underground.

**!** Note IV: Exclusively use solvent-free sealing compounds and wet area adhesive primers. The manufacturer's processing instructions shall be observed.

D

GB

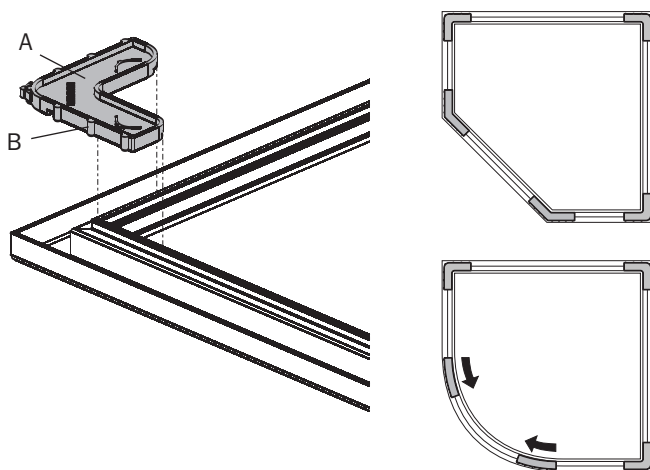
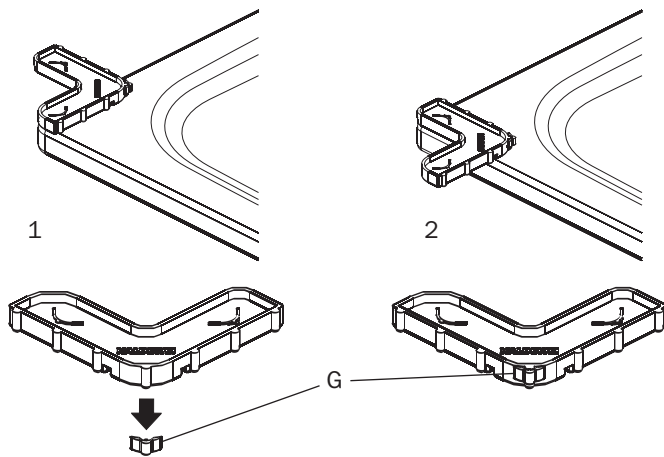
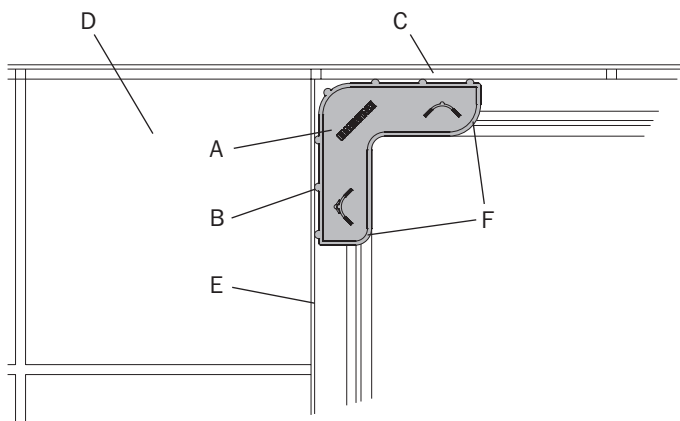
F

I

E

Installation Instructions  
Tiler

### USING THE INSTALLATION AID



- A = Installation aids
- B = Spacer noses of the installation aids
- C = Wall tiles
- D = Floor tiles
- E = End rail
- F = Radius corresponds to shower base radius
- G = Spacer nose for shower base models with small corner radius

The installation aids (A) with the spacer noses (B) represent the installation space (corner radius, external contour, height) of the shower base used.

**!** These given dimensions of the installation aids must not be exceeded since it will otherwise not be possible to insert the shower base.

**!** The corner radius of the shower base is to be checked by means of the radii (F) of the installation aid (A).

**!** The installation aid (A) must be adjusted to the radius of the shower base. In situation 1 the spacer nose (G) must be removed.

The upper edge of the installation aid (A) corresponds to the height of a Kaldewei shower base.

The spacer noses (B) of the installation aids (A) are the points for positioning the wall tiles (C), floor tiles (D), and/or the end rail to be used (E) – cf. the following paragraph of the mounting instructions.

- The size of the corner radius is to be checked by means of the radii (F) of the installation aid (A) by putting it onto the existing shower base.
- If required, the spacer nose (G) must be removed.
- Place the installation aids (A) on the foot frame.

D

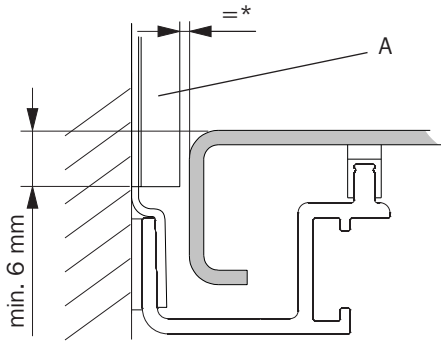
GB

F

I

E

### TILING OF THE WALL



- Tile the wall (A) according to diagram.



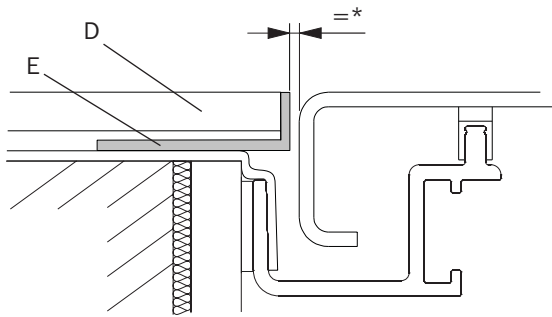
The wall tiles must not get into contact with the foot frame and have to be positioned at least 6 mm below the upper edge of the shower base rim since otherwise an excessive hollow space would be created for sealing of the joint edge.



The total tile thickness taken into consideration for the construction amounts to 10 mm including tile adhesive.

\* identical circumferential spacing

### TILING OF THE FLOOR



- Lay the floor tiles (D) according to diagram.



To achieve a higher stability of the floor tiles, a suitable rustproof end rail (E) is to be used in the joint area between shower base (installation aid) and floor tiles.



The total tile thickness taken into consideration for the construction amounts to 10 mm including tile adhesive.

\* identical circumferential spacing

D

GB

F

I

E

Franz Kaldewei GmbH & Co. KG  
Beckumer Strasse 33-35  
59229 Ahlen  
Germany  
Tel. +49 2382 785 0  
Fax +49 2382 785 200  
[www.kaldewei.com](http://www.kaldewei.com)