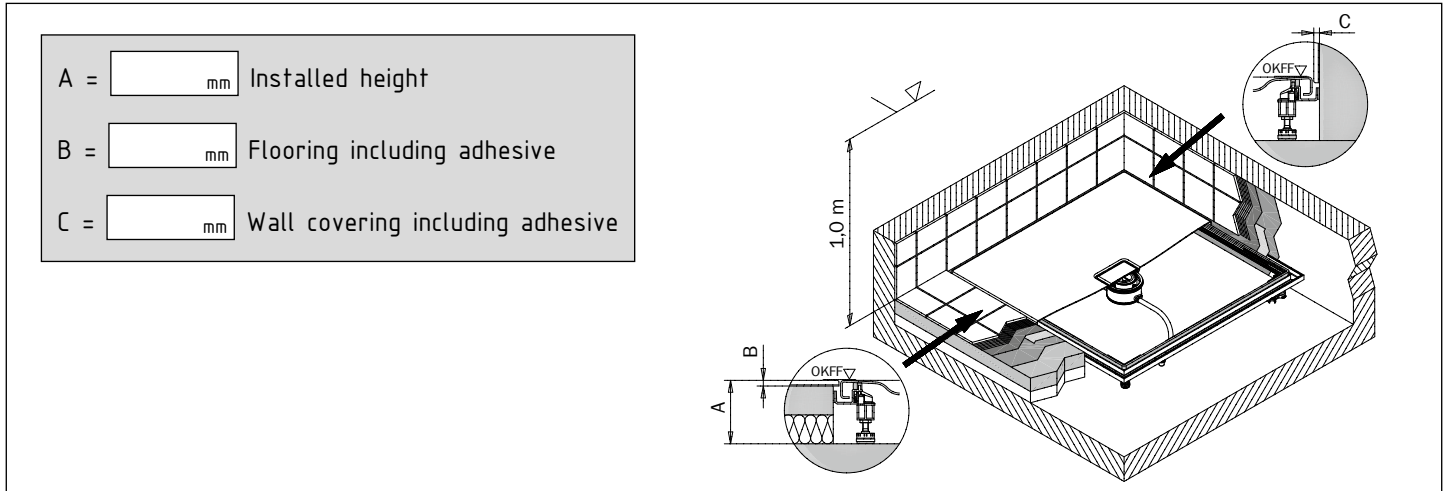


ESR FLOOR LEVEL PLANNING ASSISTANCE

KALDEWEI

DETERMINING THE REQUIRED DIMENSIONS



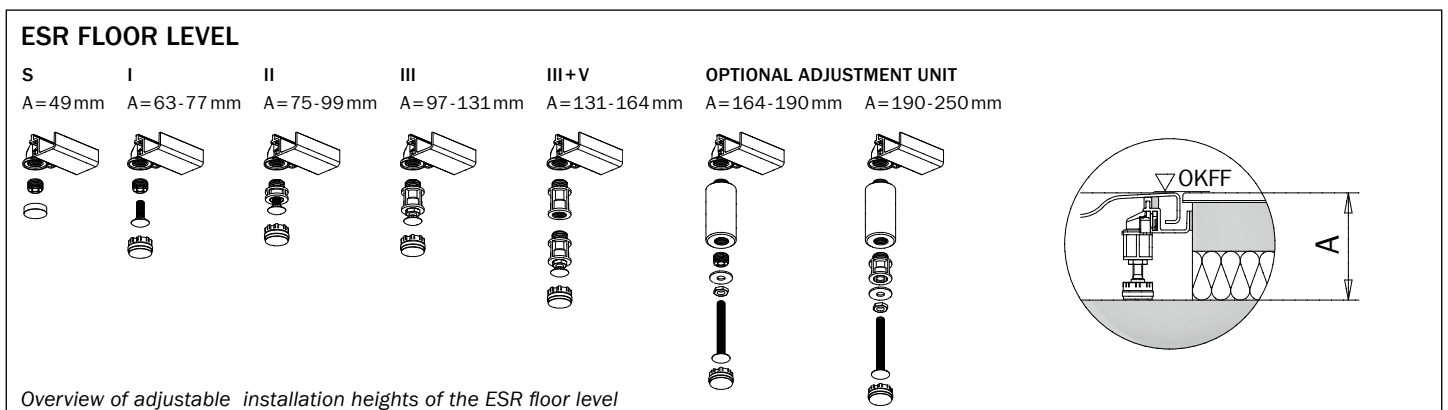
INSTALLATION HEIGHT (A)

The built heights will vary, depending on the bottle trap design and shower surface model used. The following table will help you determine the built height of your product combination. If the built height is below the required minimum, you will need to create a floor recess or aperture. Also make sure to leave a safety margin between the bottle trap and floor.

SIPHON VERSIONS	CAYONOPLAN	CONOFLAT	SCONA	SUPERPLAN	SUPERPLAN PLUS	SUPERPLAN XXL						
Shower tray depth	18	23	23	25	25	25	39	40	43	47	51	52
Waste fitting KA 90 (Standard)	98		103	105		105	119	120	123	127	131	132
Waste fitting KA 90 vertical	98		103	105		105	119	120	123	127	131	132
Waste fitting KA 90 ultra flat	78		83	85		85	99	100	103	107	111	112
Waste fitting KA 90 extra flat	87		92	94		94	108	109	112	116	120	121
Waste fitting KA 120 (Standard)		107										
Waste fitting KA 120 vertical		107										
Waste fitting KA 125 (Standard)					109							
Waste fitting KA 125 vertical					109							

Overview of installation heights of shower tray and siphon (in mm)

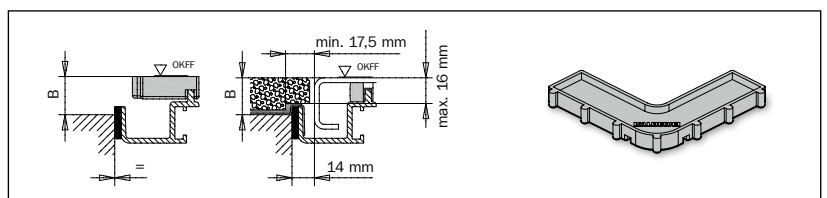
As well as an exceptionally flat, non-adjustable installation height of 49 mm, the ESR floor-level enables adjustable built heights of 63 mm to 164 mm. In addition, a separate extension kit can be added to the system with ease for special built heights of 164 mm to 250 mm. Our system is supplied with recess aids for the screed recess. Screed recesses for built heights of over 164 mm need to be created on site.



Overview of adjustable installation heights of the ESR floor level

FLOOR COVERING (B)

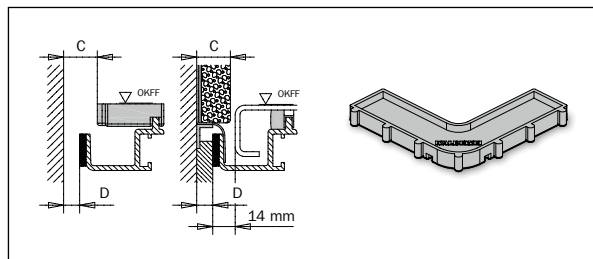
The ESR floor-level is designed for flooring (consisting of floor tile, tile adhesive and composite sealing) up to 16 mm thick. For thicker flooring, you will need to clear the tile as illustrated.



DETERMINING THE REQUIRED FLOOR RECESS BASED ON THE WALL COVERING USED

The ESR floor-level is designed for a wall covering (consisting of wall tile, tile adhesive and composite sealing) up to 10 mm thick. Bear in mind that the ESR floor-level is 28 mm wider and longer than the shower surface (e.g. shower surface size: 90 x 90 cm, screed cutout required for installation of shower surface with ESR floor-level: 92.8 x 92.8 cm).

For a thicker wall covering, make sure to use load-bearing lining for the marked gap (D).

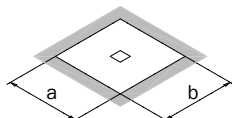


First step: Determine the required gap size (D) between the wall and ESR floor level (for installation situations 2, 3 and 4).

$$C \text{ [mm]} - 10 \text{ mm} = D \text{ [mm]}$$

Second step: Determine the respective recesses (a_1 and b_1) taking into account the installation situation.

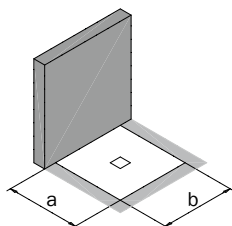
INSTALLATION SITUATION 1:



$$a \text{ [mm]} + 28 \text{ mm} = a_1 \text{ [mm]}$$

$$b \text{ [mm]} + 28 \text{ mm} = b_1 \text{ [mm]}$$

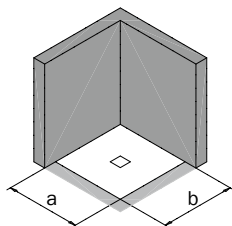
INSTALLATION SITUATION 2:



$$a \text{ [mm]} + 28 \text{ mm} + D \text{ [mm]} = a_1 \text{ [mm]}$$

$$b \text{ [mm]} + 28 \text{ mm} = b_1 \text{ [mm]}$$

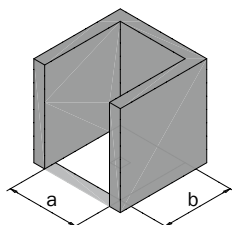
INSTALLATION SITUATION 3:



$$a \text{ [mm]} + 28 \text{ mm} + D \text{ [mm]} = a_1 \text{ [mm]}$$

$$b \text{ [mm]} + 28 \text{ mm} + D \text{ [mm]} = b_1 \text{ [mm]}$$

INSTALLATION SITUATION 4:



$$a \text{ [mm]} + 28 \text{ mm} + D \text{ [mm]} + D \text{ [mm]} = a_1 \text{ [mm]}$$

$$b \text{ [mm]} + 28 \text{ mm} + D \text{ [mm]} = b_1 \text{ [mm]}$$

a = length of the shower tray
b = width of the shower tray

a_1 = length of screed recess to be taken into account
 b_1 = width of screed recess to be taken into account

C = tile including tile adhesive
D = gap size between ESR II and wall connection



Please note: This planning principle does not replace the installation instructions included in the delivery and which are also available on our website at www.kaldewei.com.

Subject to technical alterations, tolerances and errors.

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