

■ **Tools required** (not supplied)

- Paint Brushes (2)
- Pencil
- Jig Saw (recommended)
or Hard Point Saw
- Eye Protection
- Protective Gloves
- Notched Adhesive Trowel
- Bucket
- Solvent Weld Waste Adhesive
- Measuring Jug
- Tape Measure
- Straight Edge
- Junior Hacksaw
- Breathing Protection
- Level
- Sealant Gun
- Screwdriver PZ2
- Silicone

■ **Important Information**

■ **PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE STARTING INSTALLATION.**

The waste pipe must run in the same direction as your floor joists so please check your joists before starting installation.

Check the pack and make sure you have all the parts listed.

If the LUX ELEMENTS[®]-TUB shower tray (A) or LUX ELEMENTS[®]-TUB shower tray extension (B) have slightly damaged edges there is no need to return the product as these can easily be repaired and most minor damage will naturally be covered during installation. Should you need to patch a repair that won't be naturally covered you should do so when you complete steps 16 – 19 in exactly the same way as you would seal a joint with waterproofing tape (K) and DRY-ASK tape sealer (L).

■ **DO NOT PLACE STEP LADDERS OR HEAVY ITEMS ONTO THE LUX ELEMENTS[®]-TUB SHOWER TRAY (A) OR LUX ELEMENTS[®]-TUB SHOWER TRAY EXTENSION (B) AS THIS COULD PUNCH A HOLE THROUGH THE SURFACE.**

Certain spare parts and additional components are available if necessary and these can be obtained by calling the help line number at the end of the instructions.

When you are ready to start, make sure that you have the right tools to hand and that the installation area is clean and dry.

When drilling or fixing into walls or floors it is essential that you check for pipes and wires before commencing.

■ **Site Preparation**

This product is suitable for use on solid concrete floors and wooden floors.

All floor types need to be clean, dry and dust free.

All floor types need to be as flat and level as possible.

Floor boards must be securely fixed down prior to installation.

All derivatives of wooden floors need to be treated with the COL-HSV wood floor primer (M) prior to installation.

PVA MUST NOT BE USED IN PLACE OF THE COL-HSV WOOD FLOOR PRIMER (M).

This product is not suitable for use on MDF.

Prior to installation you will need to have access to a wastepipe in the correct position.

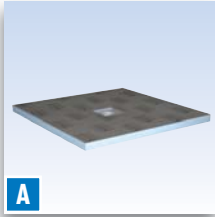
Please ensure that the wastepipe is accessible and any alterations to the floor are completed prior to installation.

■ Parts supplied

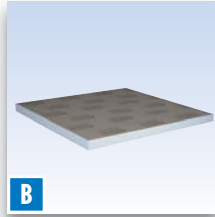
LUX ELEMENTS®-TUB-BOL ... S

■ Parts supplied

LUX ELEMENTS®-TUB-KIT TRAY



1x TUB-BOL ... S
Shower Tray



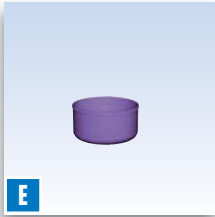
1x TUB-BOL ... S
Shower Tray Extension



1x TUB-BAW
Shower Drain Base



1x TUB-BAZ BST
Shower Drain Connector



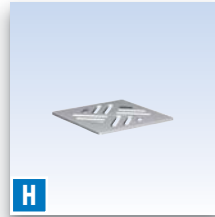
1x TUB-BAW
Shower Drain Internal Bowl



1x TUB-BAW
Shower Drain Internal Dome



1x TUB-BAW
Shower Drain Finishing Top



1x TUB-BAW
Shower Drain Finishing Grade



1x COL-AK
Adhesive Bag (5 kg)



1x DRY-DB
Waterproofing Tape (5 m)



1x DRY-ASK
Tape Sealer (3.5 kg)



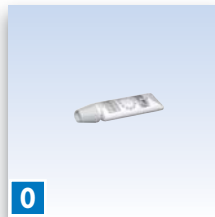
2x DRY-DBIE
Waterproofing Internal Corner



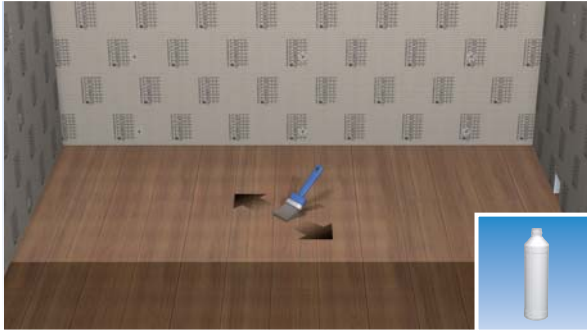
1x COL-HSV
Wood Floor Primer (1 kg)



1x COL-MK
Adhesive Tube (290 ml)



1x TUB-GEL
Lubricant (8 g)



Step 1

If you are installing onto a wooden floor, make sure that the existing floor boards or sheets are fully secured down and as level and flat as possible. Paint the floor area where the shower will sit with the COL-HSV wood floor primer (M).

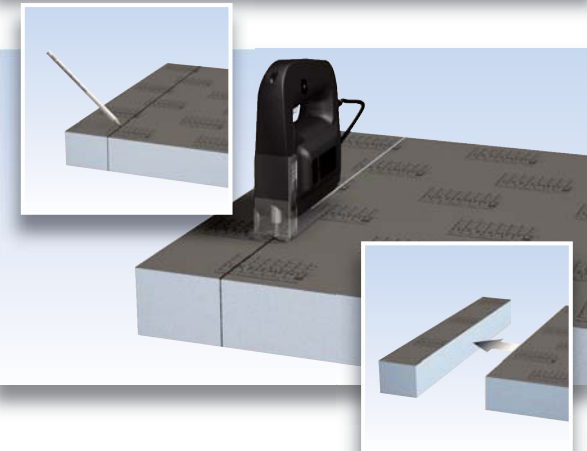
PVA MUST NOT BE USED IN PLACE OF THE COL-HSV WOOD FLOOR PRIMER (M).

Leave to dry for at least 2 hours.



Step 2

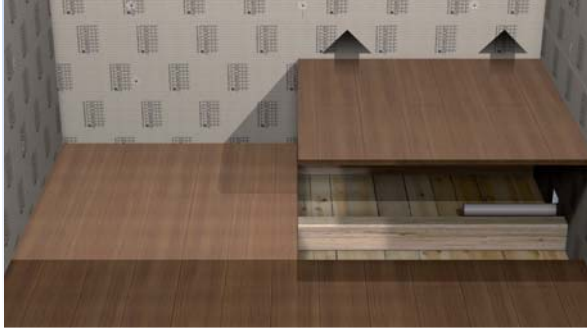
Measure the required overall length of the shower area with a tape measure. We would not recommend an area less than 1200 mm in length because this would not allow a wide enough opening to get in and out of the shower easily.



Step 3

The overall pack length is 1850 mm. Thus if you require a finished length of 1700 mm you should cut 150 mm from the flat end of the TUB-BOL shower tray extension (B). Carefully mark the cut position using a pencil and straight edge. Cut the tray carefully using a jig saw or a hard point saw. Lay the TUB-BAW shower tray base (C) and TUB-BOL shower tray extension (B) into the required position to check the fit.

LUX ELEMENTS®-TUB-BOL ... S & TUB-KIT TRAY



Step 4

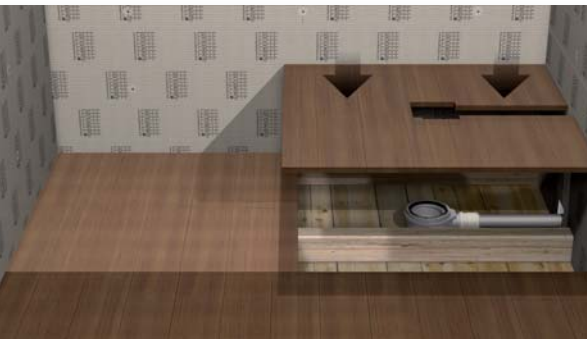
Remove flooring as necessary to carry out works to the wastepipe. Please note that if there is a joist in the way of the TUB-BAW shower drain base (C) you will need to consult a professional joiner or structural engineer for advice.



Step 5

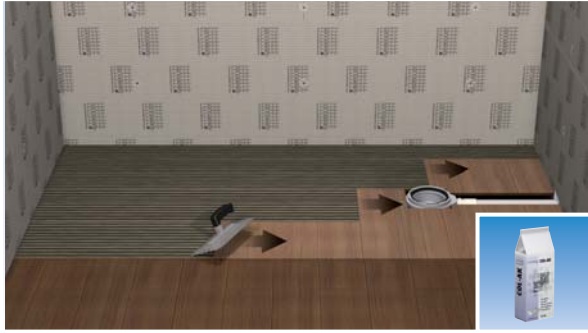
For water to drain away properly, the wastepipe must have a fall of at least 3 cm per metre. If you are using 40 mm diameter pipe it is essential that the shower has its own separate wastepipe with as direct run to the soil stack as is possible. Using the waste hole position measurement obtained in step 1, make any necessary alterations to your wastepipe. The wastepipe must be properly supported to hold its own weight and that of the TUB-BAW shower drain base (C).

Smear some TUB-GEL lubricant (O) around the black rubber seal of the TUB-BAZ BST shower drain connector (D) and push the TUB-BAW shower drain base (C) onto the TUB-BAZ BST shower drain connector (D). Spread solvent weld adhesive around the inside of the opposite end of the TUB-BAZ BST shower drain connector (D) and then slide onto the wastepipe with a twisting action.



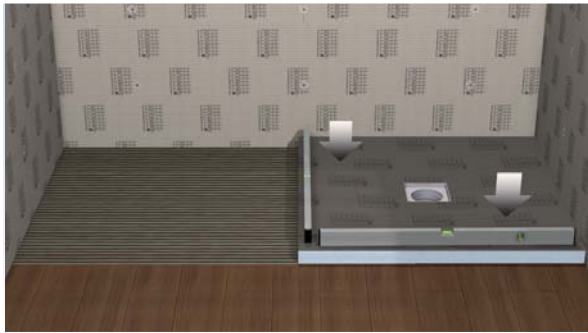
Step 6

Restore the flooring that you have removed in step 4 and securely screw it down.



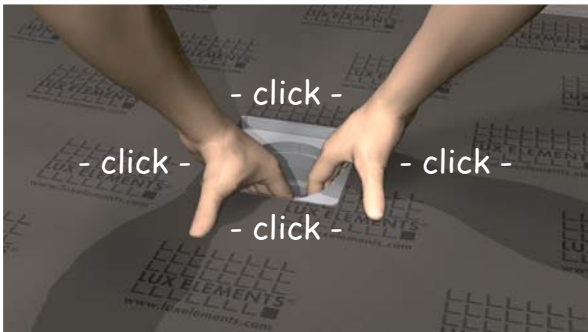
Step 7 Put on protective gloves and wear eye and breathing protection.

Mix the 5 kg bag of COL-AK adhesive (1) with 1150 millilitres of water in a clean bucket which will give the adhesive a stiff consistency. Where the TUB-BOL shower tray (A) will sit, spread the COL-AK adhesive (1) onto the floor and drag the notched adhesive trowel (6 – 8 mm) across the surface. The notched adhesive trowel will make a ribbed pattern which will leave just the right amount of adhesive on the floor.



Step 8

Place the TUB-BOL shower tray (A) into position and bed down onto the adhesive. Check that the TUB-BOL shower tray (A) is level in both directions along the edge using a suitable level.



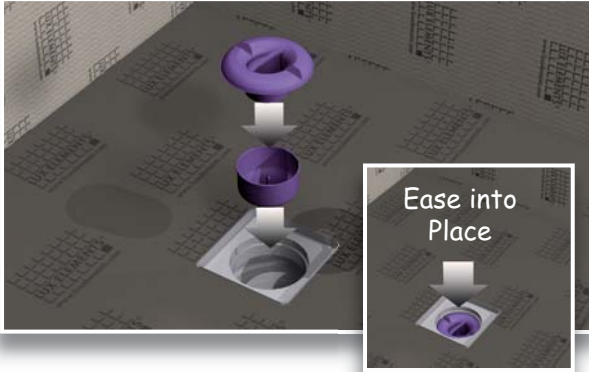
Step 9

Smear some TUB-GEL lubricant (D) around the black rubber seal of the TUB-BAW shower drain base (C).

Put your fingers through the drain hole in the TUB-BOL shower tray (A). Push down on the TUB-BOL shower tray (A) and pull the TUB-BAW shower drain base (C) upwards until it clicks into place into the drain hole in the TUB-BOL shower tray (A).

After connecting the TUB-BAW shower drain base (C) and the TUB-BOL shower tray (A) correctly, the black rubber seal of the TUB-BAW shower drain base (C) should be invisible.

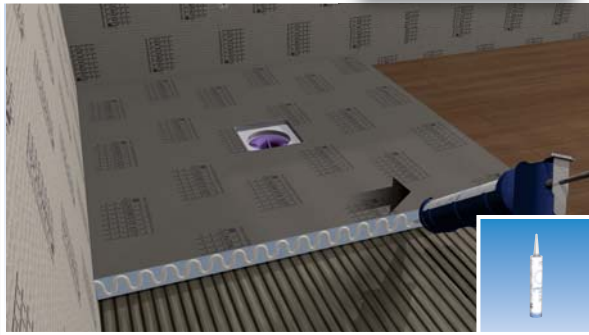
LUX ELEMENTS®-TUB-BOL ... S & TUB-KIT TRAY



Step 10

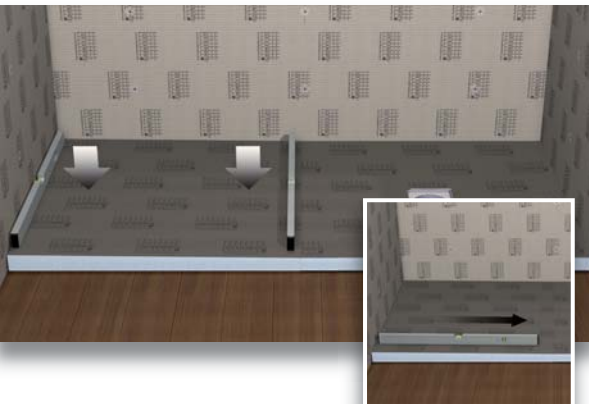
Ease the TUB-BAW shower drain internal bowl (E) into the TUB-BAW shower drain base (C). Ease the TUB-BAW shower drain internal dome (F) into the TUB-BAW shower drain base (C).

When you have finished you can remove the protective gloves and eye and breathing protection.



Step 11

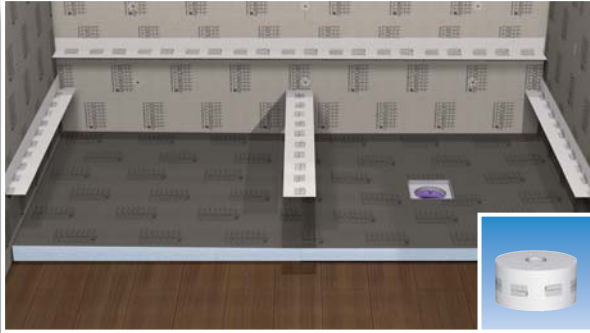
Open the COL-MK adhesive tube (N) and squeeze a wavy line of adhesive along the edge of the TUB-BOL shower tray (A) that will join with the TUB-BOL shower tray extension (B) using a sealant gun.



Step 12

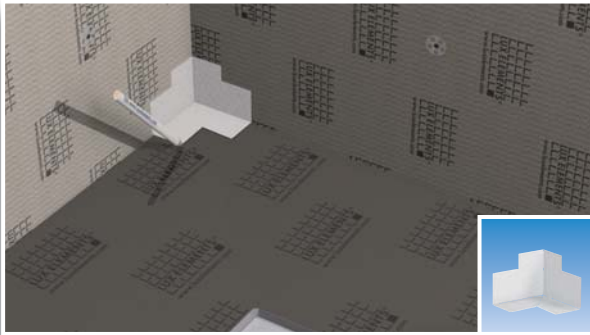
Place the TUB-BOL shower tray extension (B) into position and bed down onto the adhesive. The TUB-BOL shower tray extension (B) needs to be level across the width of the tray but have a slight slope on the length towards the waste to allow water to run towards the drain. The slope is pre-formed into the TUB-BOL shower tray extension (B) so all you need to do is make sure that end of the TUB-BOL shower tray extension (B) is completely flat against the end of the TUB-BOL shower tray (A). Check with a level that you have maintained the slight slope on the TUB-BOL shower tray extension (B).

Leave to set for approximately 3 to 5 hours.



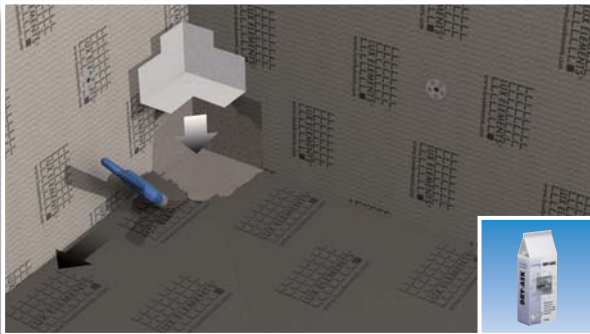
Step 13

From the roll of DRY-DB waterproofing tape (J) cut three pieces the width of the shower area and one piece the length of the shower area. If the shower area is not wall to wall and is having a glass side panel you only need two pieces the width of the shower area not three.



Step 14

Temporarily place the DRY-DBIE waterproofing internal corners (L) into position and mark around them with a pencil. Once you have marked they can be removed. This is to show where you need to apply the DRY-ASK tape sealer (K).

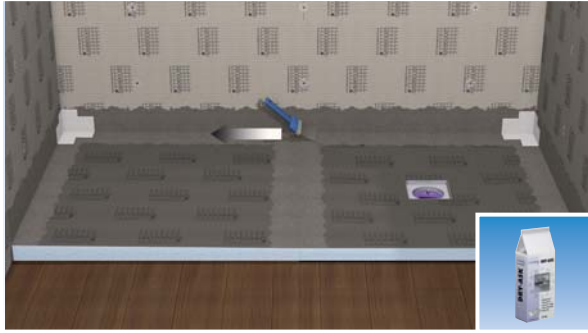


Step 15

Put on protective gloves and wear eye and breathing protection.

Mix the 3.5 kg bag of DRY-ASK tape sealer (K) with 1000 millilitres of water in a clean bucket which will give the sealer a weak consistency. Using a brush, apply a thin layer of DRY-ASK tape sealer (K) to the internal corners of the shower area, slightly bigger than the pencil line marked in step 14.

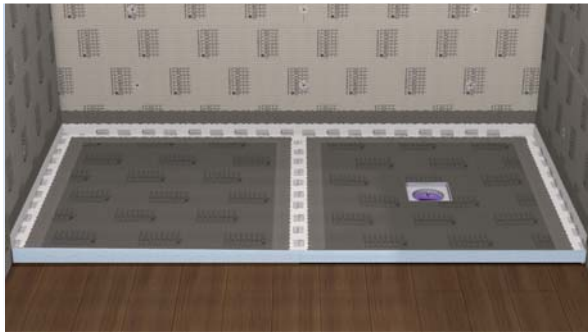
LUX ELEMENTS®-TUB-BOL ... S & TUB-KIT TRAY



Step 16

Place the DRY-DBIE waterproofing internal corners (L) into the internal corners of the shower area and push firmly into the DRY-ASK tape sealer (K). Apply a further thin layer of DRY-ASK tape sealer (K) over the edges of the DRY-DBIE waterproofing internal corners (L).

Where the shower area meets the wall apply a thin layer of DRY-ASK tape sealer (K) to the shower area and the adjoining wall approximately 60 mm wide on both. Apply a thin layer of DRY-ASK tape sealer (K) across the joint between the shower tray (A) and the shower tray extension (B) to a width of approximately 120 mm.



Step 17

Run DRY-DB waterproofing tape (J) around the edges of the room, folding half up the wall and half on the floor as you go. The DRY-DB waterproofing tape (J) should be cut to length but overlap approx. 50 mm onto the DRY-DBIE waterproofing internal corners (L). Press the DRY-DB waterproofing tape (J) firmly into the DRY-ASK tape sealer (K).

Step 18

Place the strips of DRY-DB waterproofing tape (J) previously cut in step 13 along the edges of the shower area, folding half up the wall and half on the shower area as you go. Press firmly into the DRY-ASK tape sealer (K) and the tape should also overlap the DRY-DBIE waterproofing internal corners (L).

Run the final strip of DRY-DB waterproofing tape (J) across the joint between the TUB-BOL shower tray (A) and the TUB-BOL shower tray extension (B) making sure that it overlaps the tape along the edges.

Step 19

Apply a further thin layer of DRY-ASK tape sealer (K) over the edges of the DRY-DBIE waterproofing internal corners (L) and the DRY-DB waterproofing tape (J). When you have finished you can remove the protective gloves and eye and breathing protection. Leave to set for approximately 3 to 5 hours after which the floor is ready for tiling. Steps 20, 21 & 22 are after the Important Tiling Advice.

Important Tiling Advice

IT IS ESSENTIAL THAT YOU DO NOT USE A READY MIXED TILE ADHESIVE.

FLEXIBLE CEMENT BASED POWDERED ADHESIVE OR EPOXY BASED TILE ADHESIVE MUST BE USED WITH LUX ELEMENTS®-TUB products.

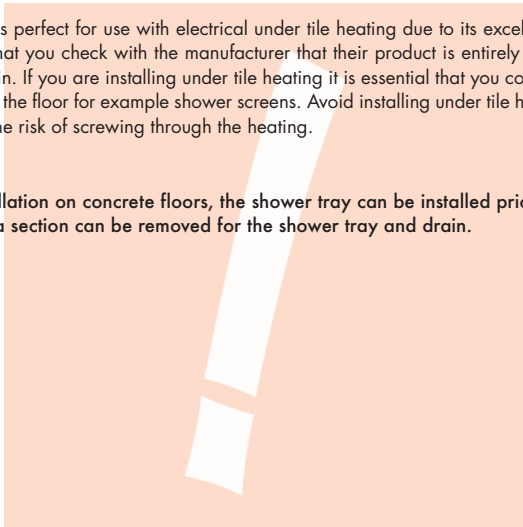
The LUX ELEMENTS®-TUB shower tray (A) has slopes towards the drain pre-formed into the tray and these must be maintained when tiling.

If you use tiles that are larger than 100 mm it is necessary to cut the tiles along the same lines as are pre-formed into the The LUX ELEMENTS®-TUB shower tray (A) to maintain the slope. For best results and ease of installation we would recommend mosaics or tiles of 50 mm to 100 mm.

LUX ELEMENTS®-TUB is perfect for use with electrical under tile heating due to its excellent thermal properties. It is however essential that you check with the manufacturer that their product is entirely suitable for the area that you intend to install it in. If you are installing under tile heating it is essential that you consider any areas that will need products fixed to the floor for example shower screens. Avoid installing under tile heating directly below any fixing point to avoid the risk of screwing through the heating.

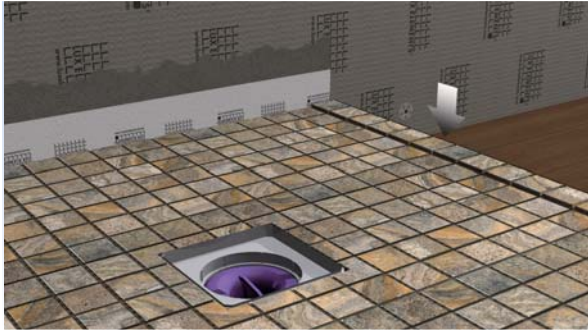
Please note

For level access installation on concrete floors, the shower tray can be installed prior to screeding, or retroactively providing a section can be removed for the shower tray and drain.



Please observe our data sheets. These contain further technical information regarding the assembly and installation of cladding materials. You may download them free of charge from our homepage. We generally advise for tiles < 5 x 5 cm to use epoxy for gluing and grouting.

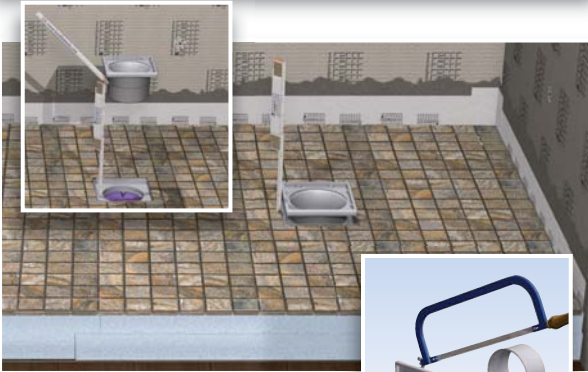
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Step 20

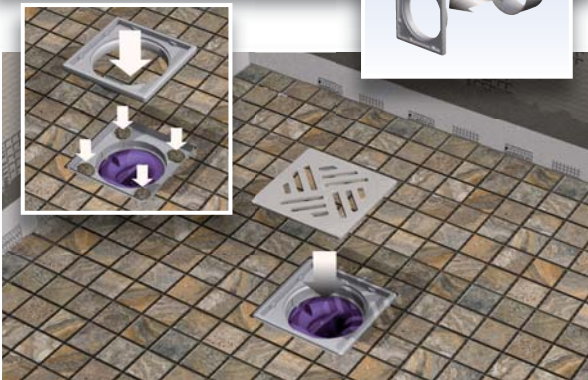
After tiling the base of the shower area, we recommend that you add a further narrow border of tiles approx. 30 mm to 40 mm wide, along the top of the outside edge to act as a water retainer, stopping water running out of the shower area.

The tile lip on the front of the shower tray and extension piece is entirely at the installer's discretion, and only a recommendation from LUX ELEMENTS.



Step 21

After tiling the shower tray the shower drain top (G) can be fitted. Gently place the shower drain top (G) into the shower tray (A). Measure from the top of the finished tile to the top of the shower drain top (G). From the opposite end/bottom of the shower drain top (G) mark the same distance as previously measured. Using a hand point saw, cut the excess from the bottom of the shower drain top (G). Depending on your cutting skill, it may be necessary to file or sandpaper the cut edge to make it completely flat.



Step 22

Place a small blob of tile adhesive in the middle of all four sides of the shower drain hole in the TUB-BOL shower tray (A). Gently ease the TUB-BAW shower drain top (G) into position in the TUB-BOL shower tray (A).

Leave to set for approximately 3 to 5 hours. Fill the gap between the edges of the TUB-BAW shower drain top (G) and the start of the tiles with silicone. Place the shower drain finishing grate TUB-BAW (H) into position.

Leave to dry for at least 24 hours before using the shower.

Frequently Asked Questions

Q: Can the kits be cut down and by how much?

We recommend you cut the kits length of 1850 mm to a min of 1200 mm.

Q: Do I need anything else to waterproof the LUX ELEMENTS®-TUB shower tray?

No, the TUB shower trays are already waterproof; we supply an adhesive, DRY-ASK, and a tape, DRY-DB, which is applied around the joints (see pages 8 & 9) to fill them.

Q: Can I use other materials on the LUX ELEMENTS®-TUB shower tray and LUX ELEMENTS®-ELEMENT board, such as vinyl flooring?

No!! LUX ELEMENTS® material should be used with tiles, for flooring we recommend a tile with a good slip resistance (e.g. R9+)

Q: Can I use normal floor tiles on the LUX ELEMENTS®-TUB shower tray i.e. 400 x 400 mm?

Yes you can, although tiles bigger than 100 x 100 mm require cutting to maintain the fall. Mosaic tiles on a mesh are perfect for the TUB shower tray in combination with epoxy based tile adhesive, if you are using 20 x 20 mm tiles or smaller, the area should only be used for barefoot use.

Q: The drain has a "2 inch solvent connection, can I reduce it to 40 mm?

The drain has been specially designed to discharge large amounts of water, (60 litres per min at "2 outlet) reducing the waste pipe will affect performance. Please ensure that when reducing to 40 mm outlet, no other service connections are made between the drain and the SVP.

Q: Can I use my own adhesives for fixing and sealing the LUX ELEMENTS®-TUB trays and LUX ELEMENTS®-ELEMENT boards?

You could, but we couldn't guarantee the work. COL-AK is a specially designed adhesive, it is strong and won't shrink or crack like many other bonding materials. DRY-ASK waterproofs all the joints in the wet area, it is flexible and highly adhesive and will expand with the DRY-DB tape. This is a critical part of the installation and should be taken very seriously.

Q: What type of adhesive can I use for fixing tiles?

Any flexible cement based adhesive or epoxy based tile adhesive is fine for normal tile installation.

Q: What type of grout should I use.

Standard wall and floor grouts are fine with LUX ELEMENTS®, however when using small mosaics like 20 x 20 mm glass, epoxy based grouts should be used for additional strength.

Q: Why do you recommend using LUX ELEMENTS® material to overboard the floor?

By using LUX ELEMENTS® material you separate contact between the tile and the floor below, this is not possible when using timber on timber. LUX ELEMENTS® material on timber reduces movement of tiles and potential costly refix issues.

LUX ELEMENTS® is made from a hard foam material, this is great for insulation, particularly when used with electric under tile heating (see manufacturers guidelines).

If you require any assistance or advice, please contact the Helpline on +49 2171/7212-0

Due to our commitment to continuous product development we reserve the right to alter specifications without notice. Products are guaranteed against manufacturing defects for the first purchaser only and the guarantee is non-transferable.

Our liability under any guarantee expressed or implied is strictly limited to replacement of defective goods or a refund at our discretion and no consequential losses will be entertained. Proof of purchase will be required.

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LUX ELEMENTS GmbH & Co. KG
An der Schusterinsel 7
D - 51379 Leverkusen-Opladen

Tel. +49 (0) 21 71 / 72 12-0
Fax +49 (0) 21 71 / 72 12-40

E-Mail info@luxelements.de
Web www.luxelements.com

F

LUX ELEMENTS S.A.S
ZI-31, rue d'Ensisheim
F - 68190 Ungersheim

Tel. +33 (0) 3 89 83 69 79
Fax +33 (0) 3 89 48 83 27

E-Mail info@luxelements.fr
Web www.luxelements.fr

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D
LUX ELEMENTS GmbH & Co. KG
An der Schusterinsel 7
D - 51379 Leverkusen-Opladen

Tel. +49 (0) 21 71/72 12-0
Fax +49 (0) 21 71/72 12-40

E-Mail info@luxelements.de
Web www.luxelements.com

F
LUX ELEMENTS S.A.S
ZI-31, rue d'Ensisheim
F - 68190 Ungersheim

Tél. +33 (0) 3 89 83 69 79
Fax +33 (0) 3 89 48 83 27

E-Mail info@luxelements.fr
Web www.luxelements.fr

