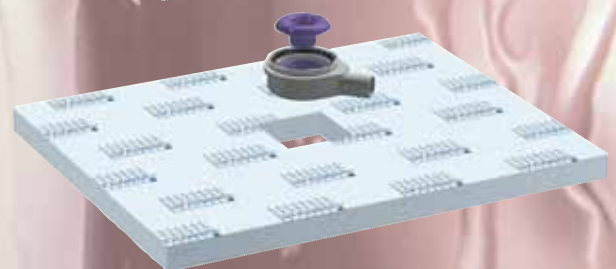


LUX ELEMENTS – The Experience

Flush with the floor shower bases





LUX ELEMENTS – The Experience

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Flush with the floor shower bases

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LUX ELEMENTS®-TUB

Flush with the floor shower bases

Advantages of flush with the floor showers

- There is no tripping hazard and therefore they are easily accessible for young and old alike.
- Flush with the floor showers are modern and make the bathroom appear more attractive.
- They enable a homogenous floor covering and integrate the shower area into the room. This makes the bathroom appear to be larger.
- One advantage that should not be underestimated is the easy cleaning and care.
- In public sanitary areas, recreation and sports facilities, hotels or hospitals, barrier-free shower bases comply with standards or are even specified. The LUX ELEMENTS shower bases $\geq 120 \times 120$ cm and $\geq 150 \times 150$ cm are certified according to the appropriate standards.



Contemporary, practical and attractive –
flush with the floor shower bases have numerous advantages



LUX ELEMENTS®-TUB – The shower experience with flush with the floor shower bases

Anyone planning a shower today barely thinks of a conventional shower base. Neither in a new building nor when refurbishing.

The new terms for modern and contemporary products are flush floor, no-threshold and barrier-free.

When selecting a competent manufacturer, it is important to find one who is acquainted with the technology and offers reliable products.

LUX ELEMENTS looks back on more than 20 years of experience in the development and production of flush with the floor shower bases. Our products are the result of practical knowledge and continuous research.

In this brochure we would like to introduce to you the flush to the floor shower bases from the product range LUX ELEMENTS®-TUB with all the technical details. We will be pleased to help you should you have any further questions.



The experienced feeling in a flush with the floor shower bases without tripping hazards is **independent of the shape or technology**. You simply feel free and secure!



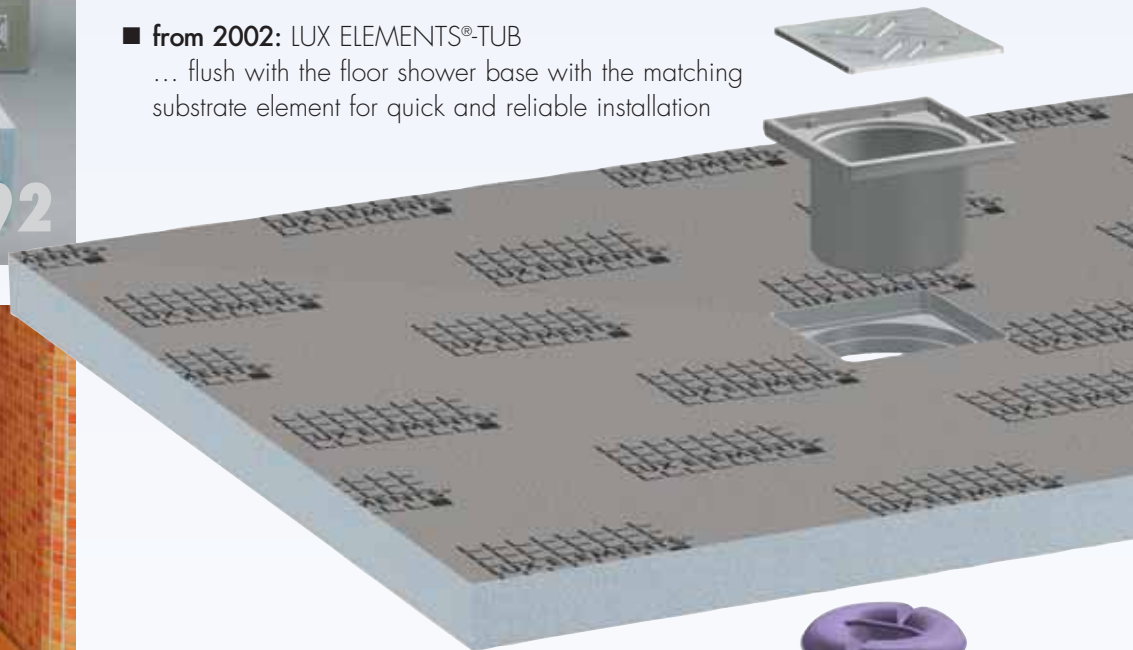
Good material qualities and environmentally friendly production

The basic material for the flush with the floor shower bases of LUX ELEMENTS is LUX ELEMENTS®-FOAM, a very high-quality, blue coloured, expanded polystyrene hard foam with high density that is produced using an environmentally friendly technique without foaming agents which are harmful to the climate. The moisture-resistant material is ideally suitable for use in bathrooms.

During further processing, the hard foam becomes a hard foam support element with a special mortar coating on both sides. For increased rigidity values a glass-fibre fabric is additionally embedded in the mortar coating. The hard foam support shower bases finally receive a sealing on the top side from the factory.

Flush with the floor shower bases from LUX ELEMENTS are already available in the 4th generation:

- **from 1987:** first, tileable, flush with the floor shower bases ... made from hard foam support material
- **from 1992:** Flush with the floor shower bases ... as a system building element under the name "Brausewanne", later "TUB"
- **from 2002:** LUX ELEMENTS®-TUB ... flush with the floor shower base with the matching substrate element for quick and reliable installation



- **from 2008: Optimisation of TUB:**
Lower installation heights.
New drain system with design grates.

Favourable material characteristics for wet and humid areas:

- | | | | |
|---|---|--|---|
| 
environmentally compatible | 
proven quality | 
Pressure stable and lightweight | 
fire-retarding |
| 
Design variety | 
waterproof | 
insulating | 
economical |

LUX ELEMENTS®-TUB

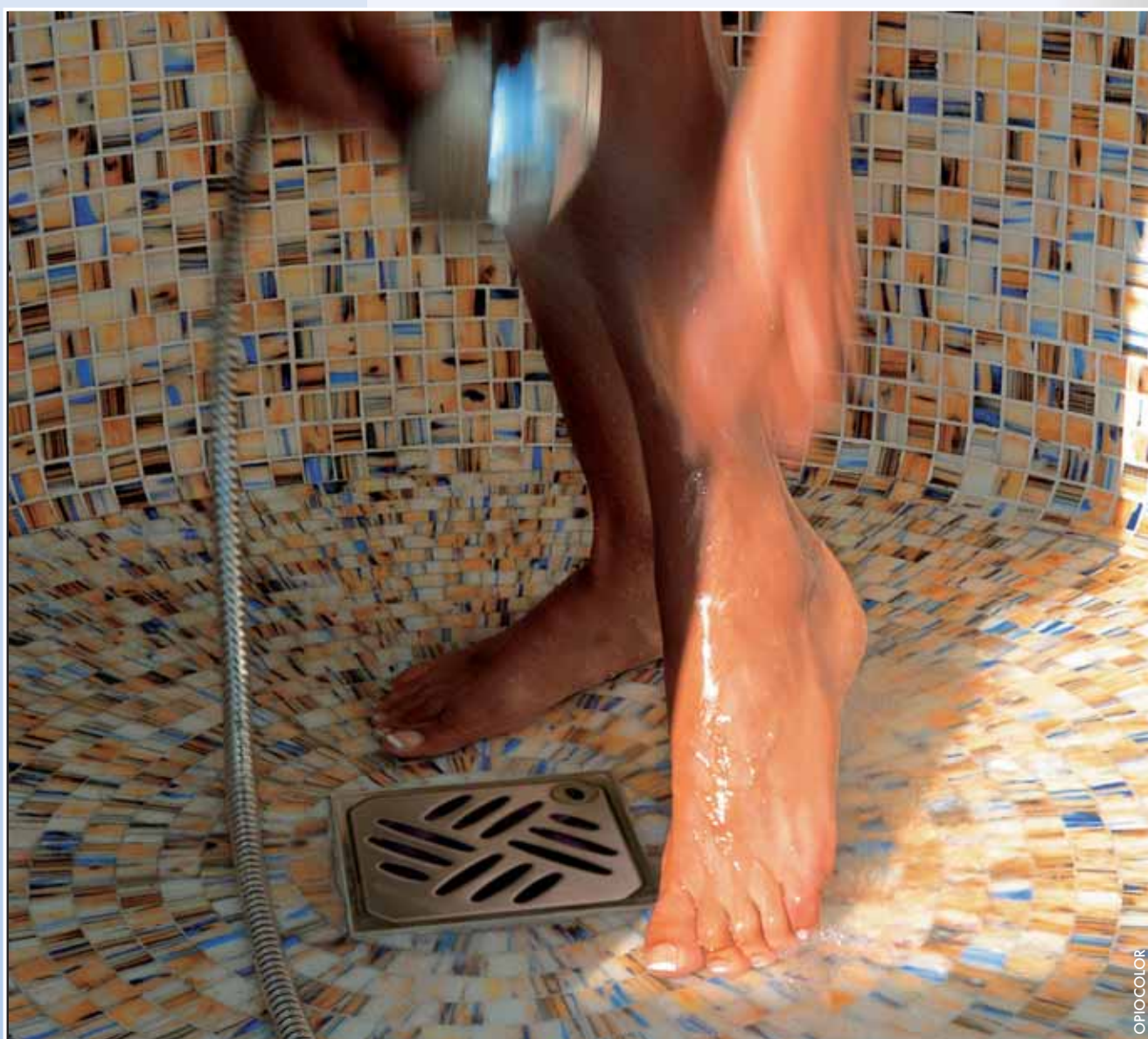
Flush with the floor shower bases

Hard foam support material for more freedom of design and safety

Shower bases made from hard foam support material offer many advantages as opposed to products from other materials such as e.g. acrylic or enamelled steel. Apart from the light weight, which facilitates transport and processing and the ease of workability, the advantages lie particularly in the freedom of design.

As the products are finally tiled, there are versatile options. The selection of ceramics from mosaic to natural stone, the colours and the laying pattern ensure individual design, adapted to the floor covering or remaining design of the bathroom.

At the same time the walking safety can be influenced by selecting non-slip floor coverings. This way, taking a shower is a safe experience!



PHI.COLOR

No more slipping on ceramic floor coverings!



Flush with the floor showers made from hard foam support material enable a homogenous floor covering – even for linear drainage.



LUX ELEMENTS®-TUB

Flush with the floor shower bases

LUX ELEMENTS can do more ...

■ Standard products – design versatility and many sizes

LUX ELEMENTS offers in the product group TUB a large selection of flush with the floor shower bases with a matching substrate element as a standard product. These include the design variants square, rectangular, pentagon- and quadrant shaped with various drain positions in diverse sizes.

■ Custom made – easy and uncomplicated

If the desired shape or size is not included in the standard products, we will make individual custom made solutions. Ordering is made easier by a prepared form. Here, only the necessary data must be entered or ticked. Round shapes are also possible.

■ Flush with the floor shower bases as a substitute for bath tubs

When refurbishing bathrooms, an old bathtub is frequently replaced by a new flush with the floor shower base in XL format. Here, exact fitting accuracy is required, because frequently the bathtubs are in niches.

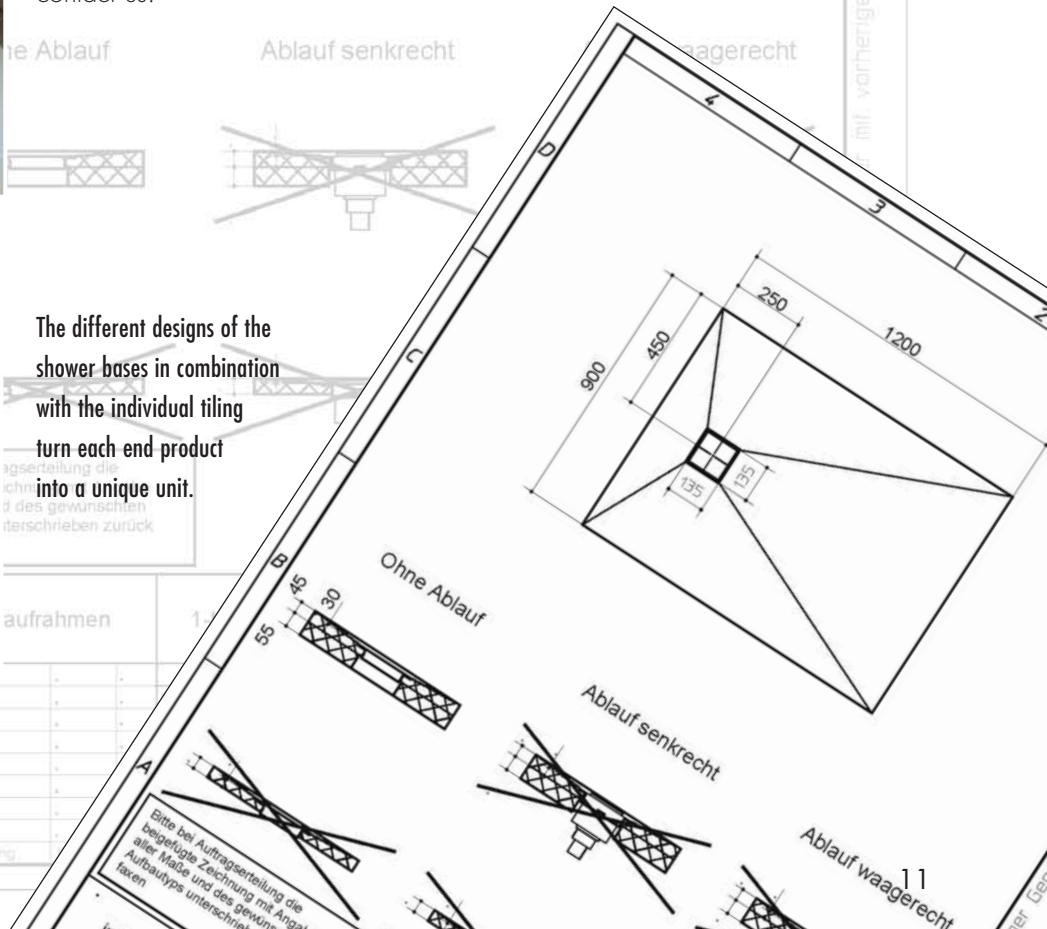
LUX ELEMENTS manufactures quickly and without complications a suitable shower base with a gradient for the size required. Our custom made units can have a length of up to 2.20 m!

■ Shower bases on wooden floors – as a special custom made element

Here, too, LUX ELEMENTS has a solution to offer – contact us!



The different designs of the shower bases in combination with the individual tiling turn each end product into a unique unit.

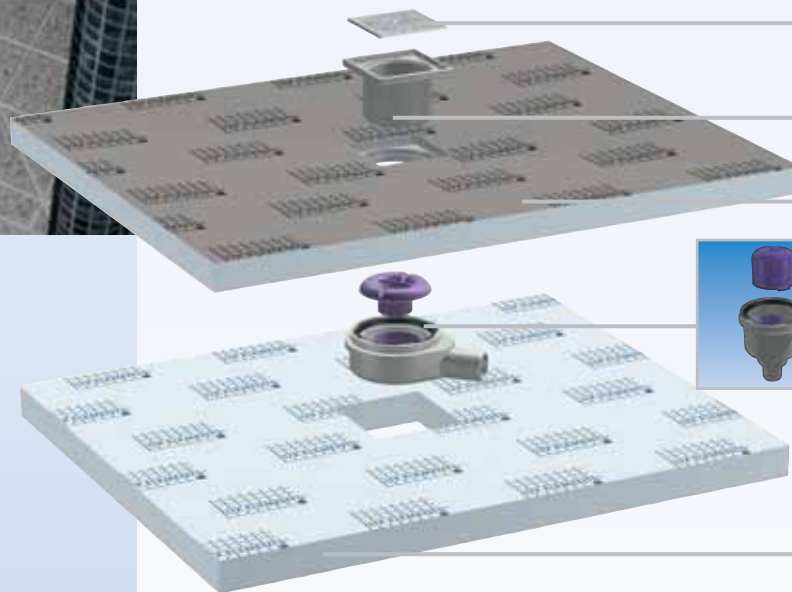


LUX ELEMENTS®-TUB

Flush with the floor shower bases

The system for point drainage with an extremely low height

The flush with the floor shower bases in various design options consist of a hard foam support element with ex-factory sealing, gradient and integrated sealed-in floor drain fitting frame. Grate design and the variant of the drain connection fitting are freely selectable. There are matching substrate elements for all shower base elements, which enable the quick and safe installation of the system.



Grate variants

see page 16

Grate fitting frame

see page 16

Shower base element

see page 23



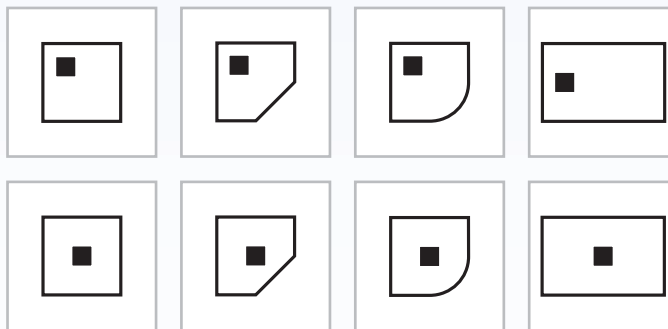
Drain connection fitting (vertical or horizontal)

see pages 16, 21

Substrate element

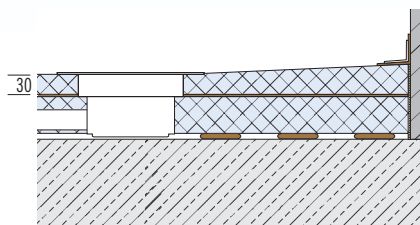
see page 23

■ The design variants

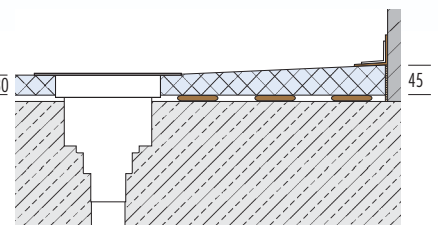


Four basic shapes, each with centralised or decentralised drain. Available as a standard version in fixed sizes or as a custom-made element. Other shapes e.g. round shower bases can be manufactured upon request.

■ The installation heights



Example: Installation of horizontal drain with substrate element, dimensions in mm



Example: Installation of vertical drain without substrate element, dimensions in mm

The shower bases for point drainage have a height of 30/45 mm with an integrated gradient, the substrate element is 55 mm high. This results in a **total installation height of only 100 mm** – ideal also for the renovation of old buildings. The substrate element can be omitted upon installation of the vertical drain. The installation height is then only 45 mm.

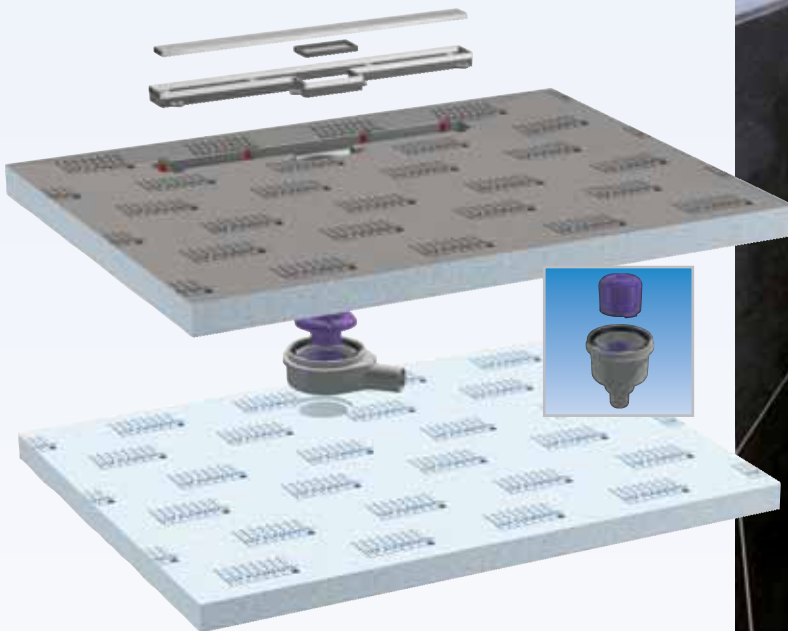


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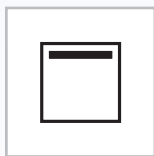
For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com

The system for linear drainage with technical highlights

TUB-LINE are flush with the floor hard foam shower base elements with top-side sealing for linear drainage, **for which the channel drain has already been sealed-in at the factory!** The integrated gradient runs from the outer edges to the channel. The products are offered as a set with the matching substrate element.



■ The design variants, dimensions



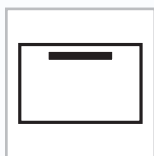
• TUB-LINE Q 900:
900 x 900 x 45/55 mm

• TUB-LINE Q 900 S:
900 x 900 x 36/46 mm

• TUB-LINE R 1200/900:
1200 x 900 x 45/55 mm

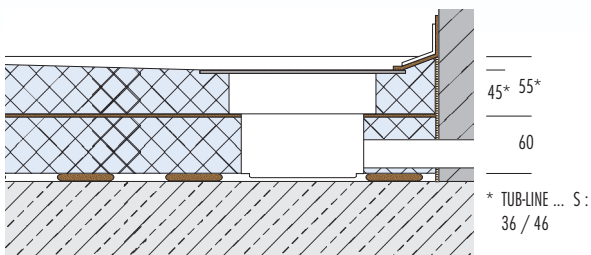
• TUB-LINE R 1200/900 S:
1200 x 900 mm x 36/46 mm

Custom made solutions are possible upon request.

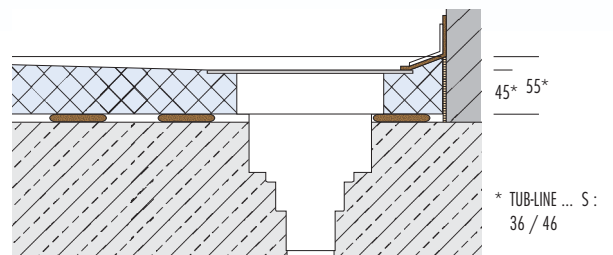


The frame height is adjustable and can thus be adapted to various floor covering thicknesses from mosaic to natural stone (see page 29).

■ The installation heights



Example: Installation of horizontal drain with substrate element



Example: Installation of vertical drain without substrate element

All dimensions in mm, without adhesive layers and tiles. For further data, please refer to the TUB-LINE technical data sheet. The same installation heights apply for the installation of both drain variants (vertical, horizontal) with substrate element. The substrate element can be omitted upon installation of the vertical drain. **Hence the installation height is only 55 (TUB-LINE ... S: 46) mm!**



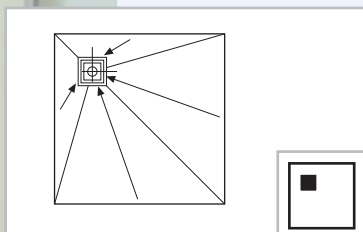
LUX ELEMENTS®-TUB

Flush with the floor shower bases

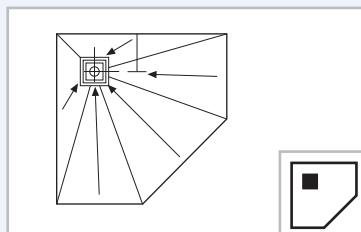
Design variants and descending gradients ...

■ Point drainage

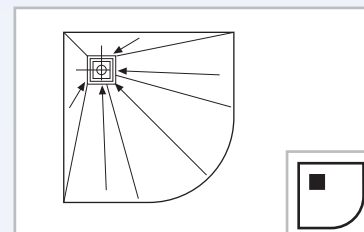
The gradient is integrated into all shower bases for point drainage. This runs from a height of 45 mm at the outer edges to a height of 30 mm to the drain. The design of descending gradients and directions belongs to planning services. Special designs up to a maximum thickness of 65 mm are possible apart from the descending gradients stated here.



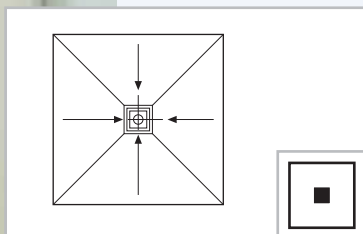
■ **TUB-EQ**, square, with installed and sealed-in floor drain fitting frame in the corner. Standard dimensions up to 1500 x 1500 mm, custom-made elements up to 1600 x 1600 mm.



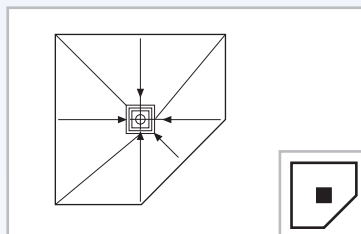
■ **TUB-EF**, pentagonal, with installed and sealed-in floor drain fitting frame in the corner. Standard dimension 900 x 900 mm, custom-made elements up to 1200 x 1200 mm.



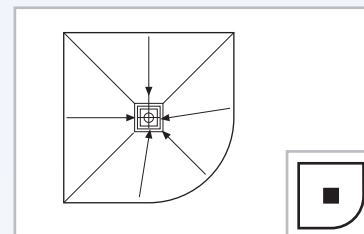
■ **TUB-EK**, quadrant, with installed and sealed-in floor drain fitting frame in the corner. Standard dimension 900 x 900 mm, custom-made elements up to 1200 x 1200 mm.



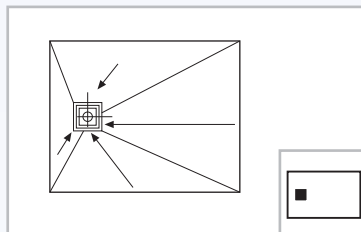
■ **TUB-MQ**, square, with installed and sealed-in floor drain fitting frame in the middle. Standard dimensions up to 1500 x 1500 mm, custom-made elements up to 1600 x 1600 mm.



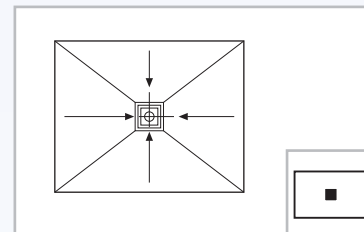
■ **TUB-MF**, pentagonal, with installed and sealed-in floor drain fitting frame in the middle. Custom-made elements up to 1200 x 1200 mm.



■ **TUB-MK**, quadrant, with installed and sealed-in floor drain fitting frame in the middle. Custom-made elements up to 1200 x 1200 mm.



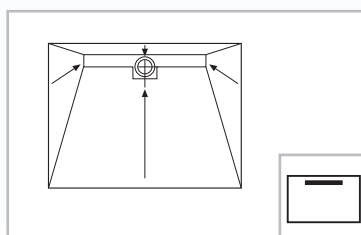
■ **TUB-ER**, rectangular, with integrated and sealed-in floor drain fitting frame, decentralised. Standard dimensions up to 1600 x 900 mm, custom-made elements up to 2200 x 2200 mm.



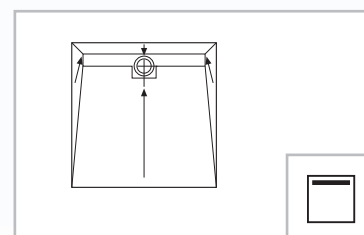
■ **TUB-MR**, rectangular, with installed and sealed-in floor drain fitting frame in the middle. Standard dimensions up to 1600 x 900 mm, custom-made elements up to 2200 x 2200 mm.

■ Sizes and descending gradients – linear drainage

For the shower base models for linear drainage, the gradient runs from a height of 55 mm at the outer edges to 45 mm to the channel (TUB-LINE ... S: 46/36 mm).



■ **TUB-LINE R 1200/900 (S)**, rectangular with sealed-in channel drain on the longer side, standard dimension 1200 x 900 mm. Custom-made solutions upon request.



■ **TUB-LINE Q 900 (S)**, square with sealed-in channel drain, standard dimension 900 x 900 mm. Custom-made solutions upon request.

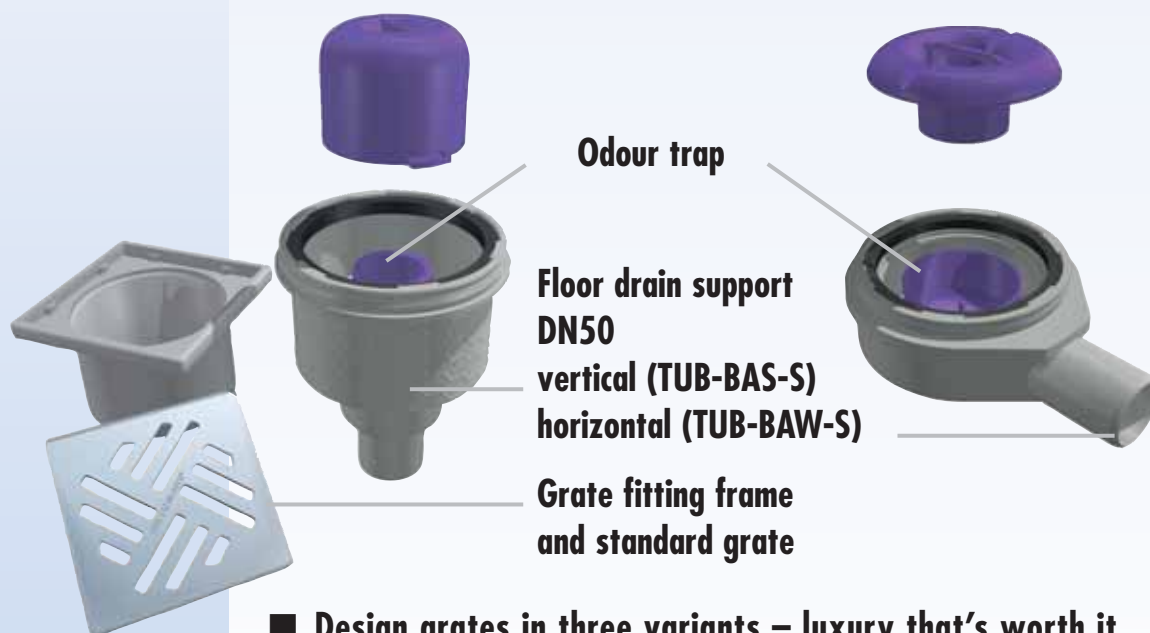
An even gradient is particularly advantageous for the modern **XL format shower bases**.

LUX ELEMENTS®-TUB

Flush with the floor shower bases

The drain system for point drainage

The standard drain system for point drainage consists of an easy-to-install floor drain support DN 50 vertical or horizontal with odour trap, incl. grate fitting frame from ABS and standard stainless steel grate. Universal height adjustment to the covering thickness is possible (see page 28).



■ Design grates in three variants – luxury that’s worth it

Three design grates are available for particularly sophisticated design: a classically slit grate and a brushed stainless steel oval grate as well as a grate with a cover that can be tiled.



■ Improved safety due to locking system

All design grates have a locking system. This is frequently required in commercial applications.



A particular advantage is the quick and easy opening and closing of the system by means of the enclosed key. No screws are required and small parts cannot fall into the drain.



NOTE:

For orders of the different grate types (standard or design) these are always supplied as a set containing the required drain support (vertical or horizontal), odour trap and grate fitting frame.



Round shower bases can also be manufactured by LUX ELEMENTS.



LUX ELEMENTS®-TUB

Flush with the floor shower bases

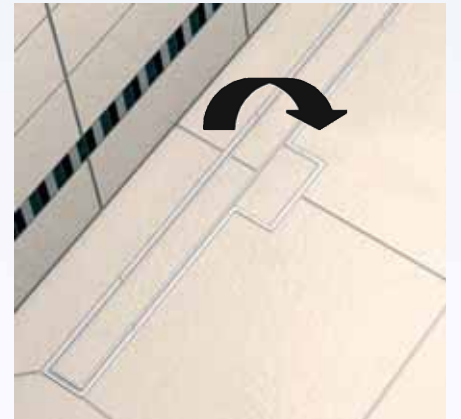
The drain system for linear drainage

In shower bases for linear drainage the channel drain is already **sealed into the shower base from the factory**. This is a particular advantage for the installer, who ensures the greatest possible reliability when it comes to sealing. The matching floor drain support is available as a vertical or horizontal model, both DN 50, with odour trap.



■ One channel – two designs

The system offers two design options due to a reversible channel cover rail. On one side there is a brushed stainless steel surface, while the other side can be tiled to match the entire shower base. By simply turning, the desired side faces upwards.



■ Easy cleaning and locking system

TUB-LINE shower base elements are easy to clean thanks to the maintenance opening. The locking system can be released and the cover removed using the enclosed key.



The channel cover rail is also secured by the **locking system**. To turn it, the lock must also be released.



LUX ELEMENTS®-TUB

Flush with the floor shower bases

Compatible accessories for all drain variants

Useful accessories are available for both drain systems, point and linear drainage. The components can be **combined with one another as required** and can be **retro-fitted into an already installed drain** at a later date.



■ Multistop as protection

Recommendable for irregularly used showers, e.g. weekend homes. The drain is prevented from drying out by the tightly sealing cap, thus also preventing the formation of unpleasant odours. Furthermore it offers protection against vermin and prevents foam backflow. Water can enter unhindered from above, as the flap opens the drain when subjected to slight water pressure.



Multistop works without complicated technology simply according to the principle of gravity.



NOTE:

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com

■ Hair trap for a clean drain

The practical hair trap reliably collects hair and dirt and prevents any blockage in the drain pipe. It can be easily removed and cleaned using two small tongues.



■ More accessories upon request



We will be pleased to provide information on further accessories, e.g. an adapter for the British or Swiss market. Please also observe the items on page 30.

LUX ELEMENTS®-TUB







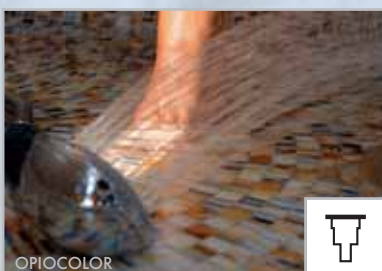
Flush with the floor shower bases

High drainage capacity enables shower fittings with large flow rates

The high drainage rate is one of the technical strengths of the drain system in the TUB product range. With rates of **up to 1.7 l/second**, rain or power shower heads can be used without any problems. The capacity may vary according to the design, accessories and drain grate:



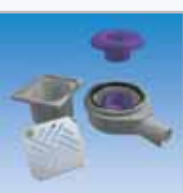
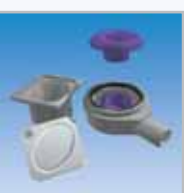
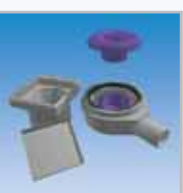


■ Overview of drain capacity – vertical drain

All values for point and linear drainage taking into consideration the use of Multistop and the hair trap.

		    				
		Standard grate	Design grate Slot	Design grate Oval	Design grate Tile	Linear drainage
 <p>DN 50, vertical, drain capacity acc. to DIN EN 1253 [l/s]</p>	without accessories	1,70	1,70	1,40	1,60	1,20
	with hair trap	1,50	1,45	1,20	1,40	1,20
	with Multistop	1,70	1,70	1,40	1,50	1,20
	with Multistop + hair trap	1,60	1,50	1,30	1,30	1,20

■ Overview of drain capacities – horizontal drain

All values for point and linear drainage taking into consideration the use of Multistop and the hair trap.

		    				
		Standard grate	Design grate Slot	Design grate Oval	Design grate Tile	Linear drainage
 <p>DN 50, horizontal, drain capacity acc. to DIN EN 1253 [l/s]</p>	without accessories	1,00	1,00	0,80	1,00	1,00
	with hair trap	0,85	0,85	0,75	0,80	1,00
	with Multistop	1,10	1,20	0,90	1,00	1,00
	with Multistop + hair trap	1,00	1,00	0,75	0,90	1,00

NOTE: For orders of the different grate types (standard or design) these are always supplied as a set containing the required drain support (vertical or horizontal), odour trap and grate fitting frame.

LUX ELEMENTS®-TUB

Flush with the floor shower bases

Processing of LUX ELEMENTS shower base elements – the tools

The hard foam shower base elements from LUX ELEMENTS are easy to use. Simple tools, which are included in any ordinary tool box, are suitable for installation.

For cuts and notches, we recommend:

- Angle grinder with diamond wheel
- Jack saw
- Cutter



“Classical tiling tools” are used for the application of bonding agents:

- Bricklayer’s trowel
- Smoothing trowel
- Notched trowel



Other important accessories are:

- Spirit Level
 - Folding ruler
 - Pencil
 - Screwdriver
 - File
- for filing the grate fitting frame after height adjustment (see page 28)



- Silicone for the sealing of e.g. connections
- Cartridge gun for pressing out glue cartridges



NOTE:

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com

LUX ELEMENTS®-TUB

Flush with the floor shower bases

Processing of LUX ELEMENTS shower base elements – assembly

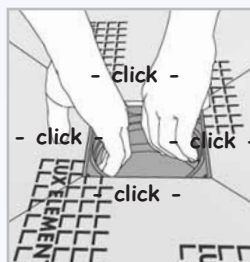
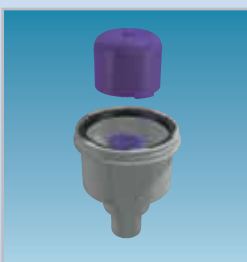
■ Example: horizontal drain with substrate element

The floor must be firm, clean and vibration free and have adequate load-bearing capacity! The substrate element is first of all aligned and, after the pipes have been cut accordingly, glued to the floor using dots of fixing adhesive, aligned with a spirit level after which the drain is connected. The assembly of the shower base element can then take place, also using fixing adhesive. Then simply clip on the drain, seal off the transitions, ready!



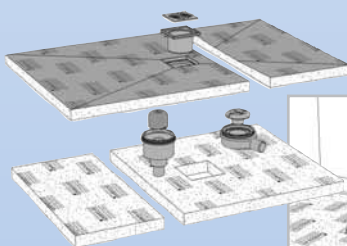
■ Example: Height compensation by laying on dots of adhesive

An uneven substrate can be compensated when mounting on mortar dots, and the shower base element can be exactly aligned in the horizontal position. The spacing of the mortar dots should be approx. 20 cm. LUX ELEMENTS offers all components for shower base installation as KITS (see page 26/27).

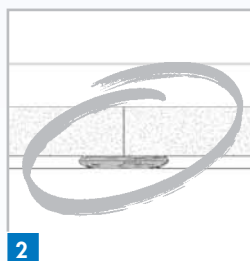


■ Simple click system makes drain installation easier

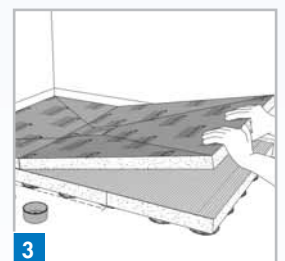
After installation of the substrate element and the shower base element, the drain connection fitting is simply clipped into the fitting frame and is tight.



■ Larger shower bases (≥ 1.60 m) in segments

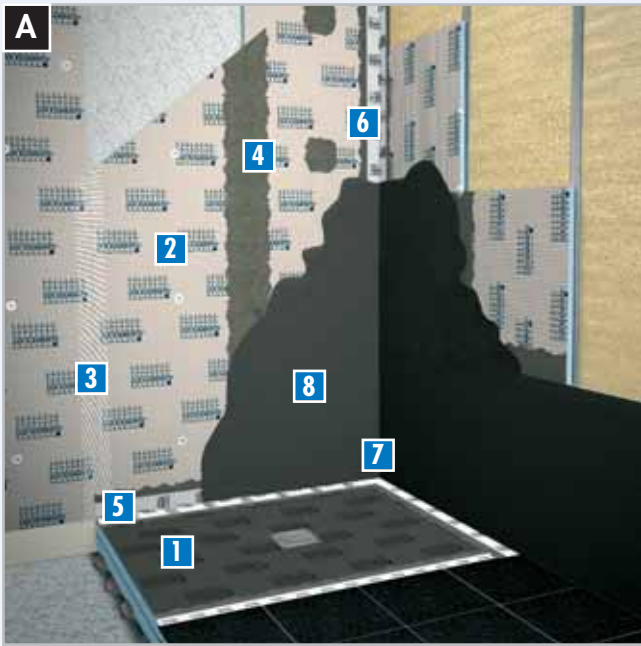


Shower base sizes above 1.60 m are supplied in two segments — this makes transport and installation easier.



NOTE: For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com

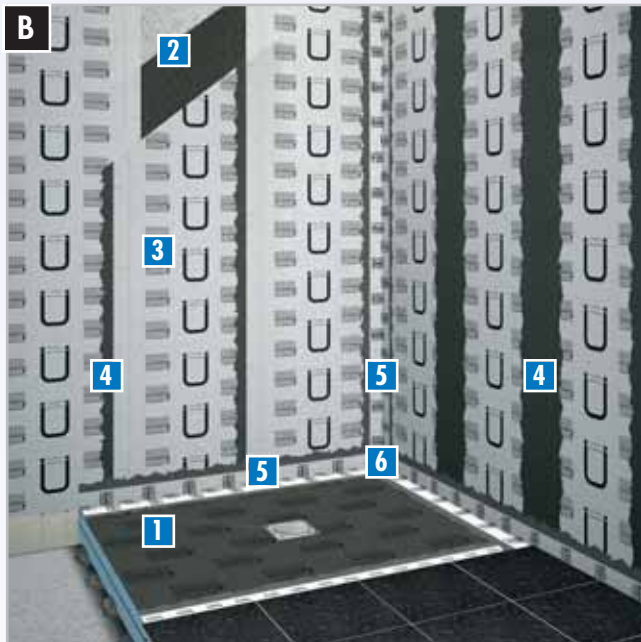
Today we differentiate between three different types of composite sealing:



Liquid sealing:

for use with the following products:

- 1 TUB – flush with the floor shower base
- 2 ELEMENT-EL – waterproof construction panel
- 3 ARM-100 SK – reinforcing fabric for joints
- 4 COL-AK – fixing adhesive for levelling out the reinforced joints
- 5 DRY-DB – sealing tape for transitions
- 6 DRY-ASK – sealing filler for sealing in the sealing tapes
- 7 DRY-DBIE – sealing tape as a shaped part "Inner corner"
- 8 DRY-ASK – sealing filler, full-surface



Sealing strips

for use with the following products:

- 1 TUB – flush with the floor shower base
- 2 COL-FLEX – mineral adhesive for the bonding of sealing film
- 3 DRY-DF – sealing film
- 4 DRY-ASK – sealing filler for bonding and sealing in the sealing film and sealing tapes
- 5 DRY-DB – sealing tape for transitions
- 6 DRY-DBIE – sealing tape as a shaped part "Inner corner"

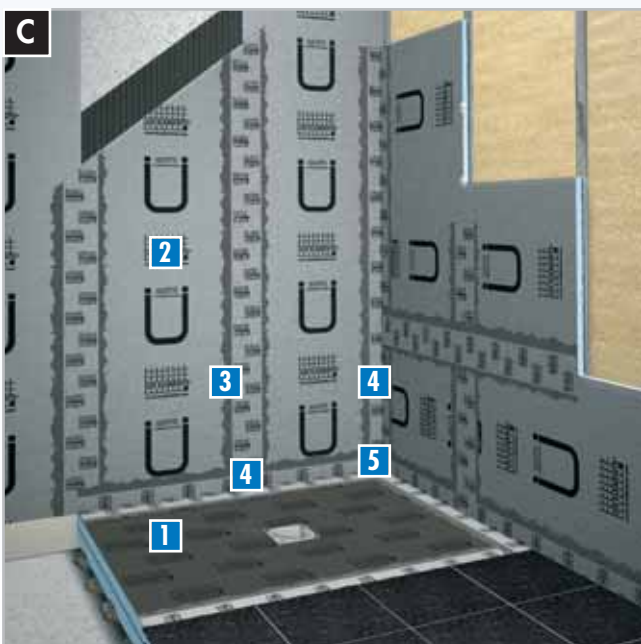


Plate-type-sealing elements

are used with the following products:

- 1 TUB – flush with the floor shower base
- 2 ELEMENT-EL VK – plate-type composite sealing
- 3 DRY-ASK – sealing filler for sealing in the sealing tapes
- 4 DRY-DBV – sealing tape for transitions
- 5 DRY-DBVIE – sealing tape as a shaped part "Inner corner"

This wall structure is at the same time highly **vapour-retardant** (sd value approx. 85 m)

LUX ELEMENTS®-TUB

LUX ELEMENTS® System components – seals

For sealing in the shower area, a large selection of products from the product range LUX ELEMENTS®-DRY is available.

LUX ELEMENTS®-DRY are sealing tapes, films and fillers for producing waterproof substrates..

Applications:

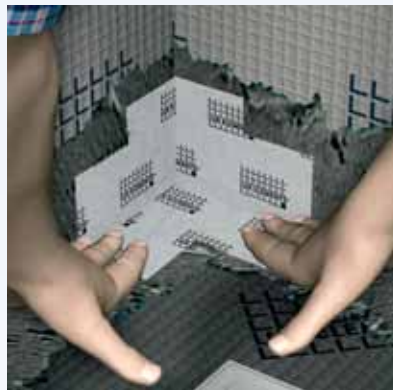
- Wall/floor connections
- Interior corners
- Exterior corners
- Pipe ducts
- Floor drains



LUX ELEMENTS®-DRY-DB –

Integrating sealing tape into wall/floor connections
Extremely thin, tear-resistant special fleece for sealing. Suitable for all connection seals occurring in conjunction with DRY-ASK or DRY-DF.

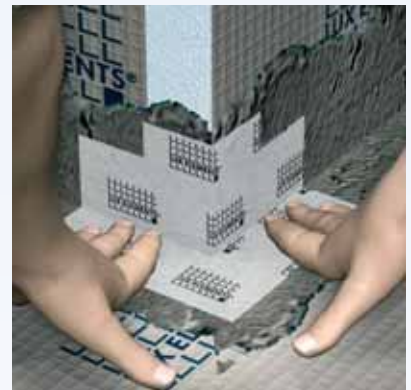
LUX ELEMENTS®-DRY-DBV – sealing tape
... with additional vapour-retardant properties



LUX ELEMENTS®-DRY-DBIE –

Forming inner corners

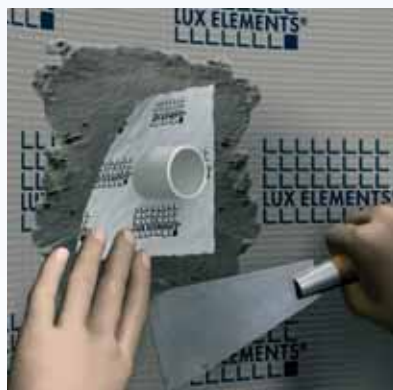
LUX ELEMENTS®-DRY-DBVIE – Inner corner
... with additional vapour-retardant properties



LUX ELEMENTS®-DRY-DBAE –

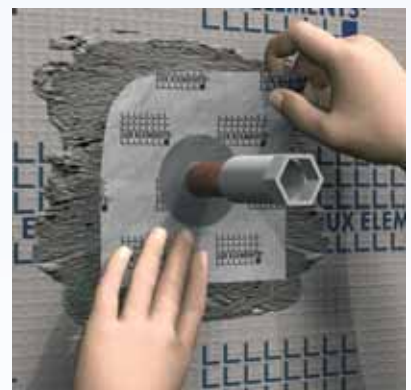
Forming outer corners

LUX ELEMENTS®-DRY-DBVAE – Outer corner
... with additional vapour-retardant properties



LUX ELEMENTS®-DRY-DBWM –

Sealing pipe ducts
Wall sleeves for the sealing of pipe ducts..



LUX ELEMENTS®-DRY-DBDZM –

Expansion zone sleeve
On PVC basis. Four different sizes having a central expansion zone to enable pipes of different external diameters to be sealed. Installation in combination with DRY-ASK.



NOTE:

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com



LUX ELEMENTS®-TUB

Die LUX ELEMENTS® System components – adhesives

The product range LUX ELEMENTS®-COL contains mortar and adhesives for the processing of hard foam support elements.

These products are suitable for processing shower bases:



LUX ELEMENTS®-COL-AK – fixing adhesive

A ready-mixed dry mortar for the attaching and adhesion of LUX ELEMENTS® hard foam support elements. COL-AK is: stable, fast bonding, frost-proof, waterproof.



LUX ELEMENTS®-COL-FLEX – bonding mortar

COL-FLEX is particularly used for laying onto LUX ELEMENTS® hard foam support elements or substrates where stresses are a possibility. COL-FLEX fulfils the C2TE-S1 requirements acc. to DIN EN 12004 and DIN EN 12002 and is low on chromate in accordance with EU-RL 2003/53/EG



LUX ELEMENTS®-COL-MD – Adhesive

A 1-component adhesive and sealant. COL-MD is suitable for adhesion and sealing of LUX ELEMENTS® hard foam support elements in joint or structural connection areas, where DRY products cannot be used.

COL-MD adheres to many different substrates even without primer, even in the presence of water. COL-MD is elastic when set; it is very suitable for situations where the adhesive has to compensate for tensions and stresses and in the presence of dynamic loads.

■ Assembly KITS for all models

Three assembly KITS are offered for the installation of the shower bases, containing all necessary mounting materials. In order to determine the correct KIT, not only the size of the shower base is decisive, but also the processing method. Here we differentiate between full-surface adhesion or adhesion on dots.



TUB-KIT UNI

Contents:

- 5,0 kg COL-AK
- 3,5 kg DRY-ASK
- 10 running meters DRY-DB
- 2x DRY-DBIE



TUB-KIT UNI GK

Contents:

- 15 kg COL-AK
- 3,5 kg DRY-ASK
- 10 running meters DRY-DB
- 2x DRY-DBIE



TUB-KIT UNI GG

Contents:

- 25 kg COL-AK
- 3,5 kg DRY-ASK
- 10 running meters DRY-DB
- 2x DRY-DBIE



■ Table overview of assembly KITS

Application ranges for TUB-KIT UNI, TUB-KIT UNI GK, TUB-KIT UNI GG					
Length TUB a in mm	Length TUB b in mm	without substrate element, full surface	without substrate element, on 15 mm dots	with substrate element, full surface	with substrate element, on 15 mm dots
900	900	TUB-KIT UNI	TUB-KIT UNI GK	TUB-KIT UNI	TUB-KIT UNI GK
1000	800	TUB-KIT UNI	TUB-KIT UNI GK	TUB-KIT UNI	TUB-KIT UNI GK
1000	1000	TUB-KIT UNI	TUB-KIT UNI GK	TUB-KIT UNI	TUB-KIT UNI GK
1200	1200	TUB-KIT UNI	TUB-KIT UNI GK	TUB-KIT UNI GK	TUB-KIT UNI GG
1400	1400	TUB-KIT UNI GK	TUB-KIT UNI GG	TUB-KIT UNI GK	TUB-KIT UNI GG
1500	1500	TUB-KIT UNI GK	TUB-KIT UNI GG	TUB-KIT UNI GK	TUB-KIT UNI GG
2000	1000	TUB-KIT UNI GK	TUB-KIT UNI GG	TUB-KIT UNI GK	TUB-KIT UNI GG

LUX ELEMENTS®-TUB

Flush with the floor shower bases

Tips and information on tiling

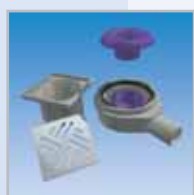


Mosaic $\geq 20 \times 20$ mm can be used as covering for **low to moderate exposure** (normal domestic barefoot use).

If a **higher stress capacity is required, e.g. by use of wheelchairs**, a minimum tile size of **50 x 50 x 6 mm** is recommended. Ensure that tiles have a sufficient breaking strength. The shower base element should not be subjected to loads greater than 0.1 N/mm^2 .

In general we recommend **gluing and joining with a reaction resin for laying of covering material which is $\leq 50 \times 50$ mm.**

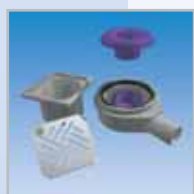
■ Possible cover thickness levels – point drainage



The height of the tile covering varies depending on the drain system and the grate used:

Standard grate

Upper layer thickness (tile + adhesive)
... for the shower base at least 5 mm



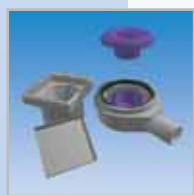
Design grate 'Slot'

Upper layer thickness (tile + adhesive)
... for the shower base at least 5 mm



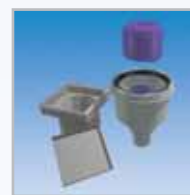
Design grate 'Oval'

Upper layer thickness (tile + adhesive)
... for the shower base at least 5 mm



Design grate 'tile'

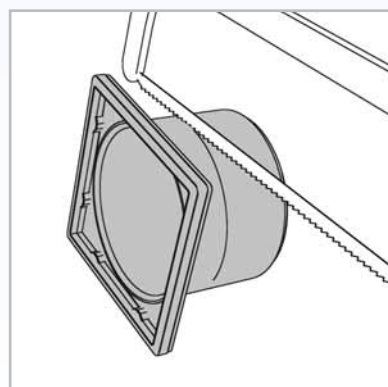
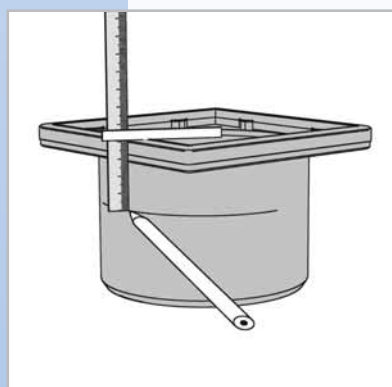
Upper layer thickness (tile + adhesive)
... for the shower base at least 14 mm
... the tileable cover = 11 mm



NOTE:

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com

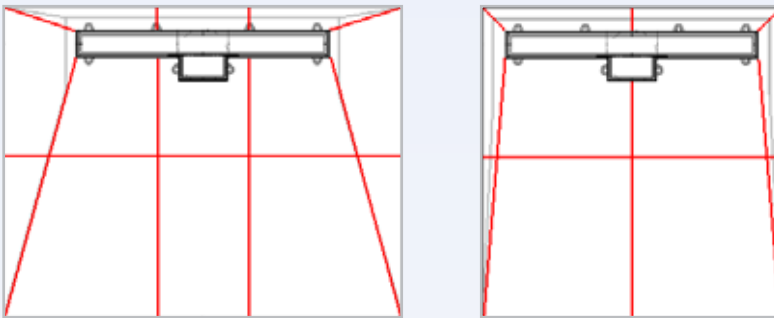
■ Optimum height adjustment to covering thickness



The height adjustment of the drain grate to the covering thickness is very simple with the drain system from LUX ELEMENTS: The grate fitting frame can be shortened to the appropriate height.

Tips for tiling the TUB-LINE

When tiling the TUB-LINE, the factory-stated gradient must not be adhered to. Tiling is easier according to this scheme. Small gaps are compensated by layers of adhesive.



- = Tiling example for large format tiles
- = factory gradient formation

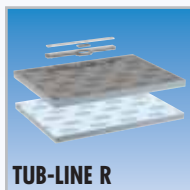
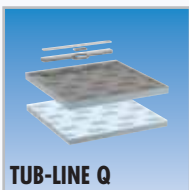
■ Possible cover thickness levels – linear drainage

TUB-LINE Q 900 and TUB-LINE R 1200/900

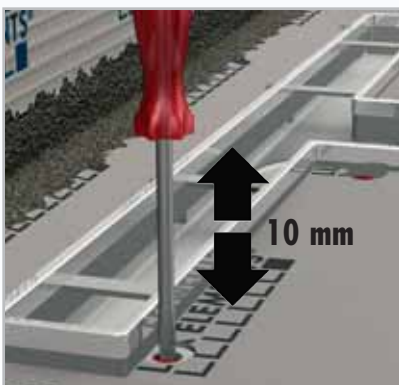
- Upper layer thickness (tile + adhesive) for ... the **shower base**: minimum 5 mm; maximum 15 mm
- ... the tileable **plastic cover** = 20 mm
- ... the tileable **stainless steel channel cover** = 12 mm

TUB-LINE Q 900 S and TUB-LINE R 1200/900 S

- Upper layer thickness (tile + adhesive) for ... the **shower base**: minimum 14 mm; maximum 24 mm
- ... the tileable **plastic cover** = 20 mm
- ... the tileable **stainless steel channel cover** = 12 mm



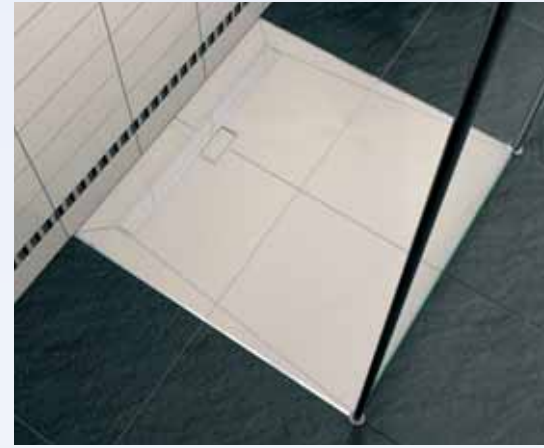
■ Optimum height adjustment to covering thickness



The frame/height rail is adjustable by 10 mm prior to tiling for the optimum adaptation to the covering thickness.

! Easy and exact tile cutting

For tile cutting we recommend e.g. a wet cutting machine. This makes the exact cutting of even large tiles possible without any problems.



You will find **further examples** of the tiling of LUX ELEMENTS®-TUB-LINE under:
www.luxelements.com/tub-line.php

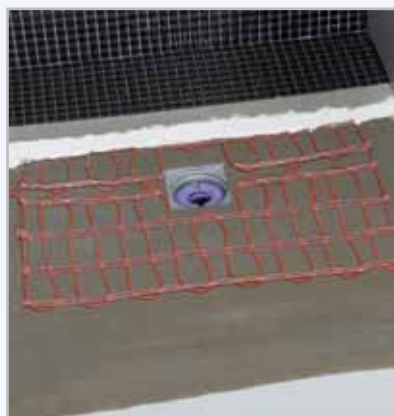
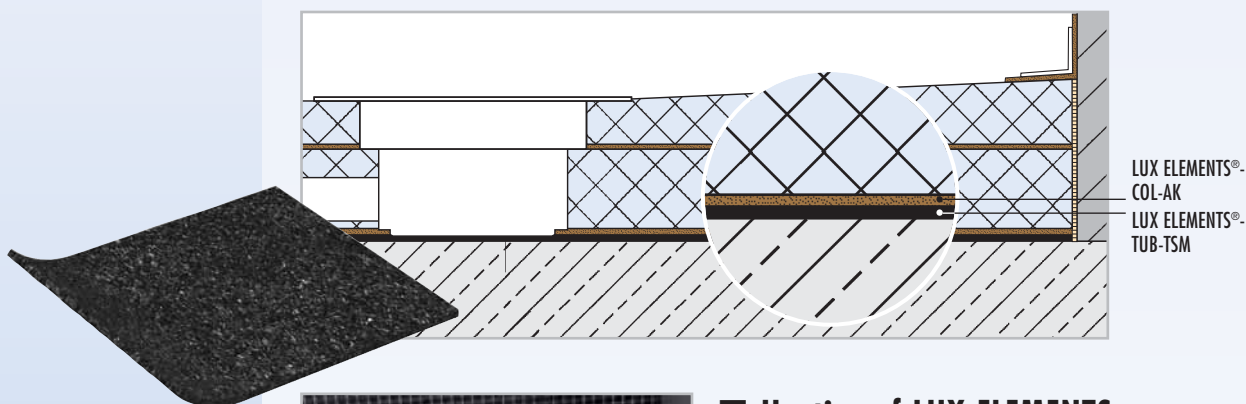
LUX ELEMENTS®-TUB

Flush with the floor shower bases

■ Impact sound insulation for flush with the floor shower bases

To increase the feeling of wellbeing and avoid noise by water – e.g. in multiple-family houses, nursing homes or hotels – we recommend impact sound insulation.

With the impact **sound insulating mat TUB-TSM**, LUX ELEMENTS offers the right solution. The product fulfils the requirements of DIN 4109/A1 and has been tested acc. to SIA 181.



■ Heating of LUX ELEMENTS shower bases

Shower base elements from LUX ELEMENTS can be optionally heated. For this, we recommend e.g. **electric thin-bed heating mats** (Wellness heating mat THERMO BODEN Comfort WELLNESS) from the company AEG (www.aeg-haustechnik.de or www.thermoboden.de).

! In the product range LUX ELEMENTS®-TUB there are more products for showers....
e.g. partition walls and building kits for design showers.

Ask for our program – we will be pleased to inform you. Use the fax order form on the back or the contact form at www.luxelements.com

Thank you for your interest in LUX ELEMENTS products!





LUX ELEMENTS – Contact data

Contact us. We will be pleased give you the contact details of a dealer near you. An overview of **international procurement** options is available on our homepage.

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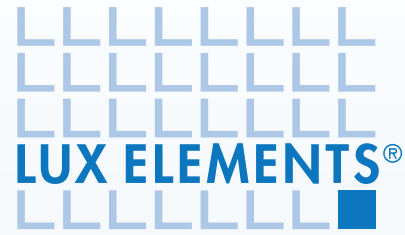
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