LUX ELEMENTS – WETROOM SOLUTION

Quality made in Germany
Wetroom products from LUX ELEMENTS proven worldwide

- Decades of experience
- High level of technical expertise
- International team
- Professional advice and support
- Modern flexible production methods
- Tried and tested building materials
- Quality control from the start
- Certified quality management
LUX ELEMENTS® –

THE ORIGINAL

- Environment-friendly
- Modern building material
- Proven material advantages
- Excellent for use in wet and humid conditions
- Very good machinability
- Continuous development
- Modern, system-oriented product range

The Original can do!

1. Polystyrene hard foam
2. Contact mortar layer
3. Glass fibre fabric
4. Coating mortar layer

- environmentally friendly
- proven quality
- pressure-stable and rigid
- lightweight

- water-resistant
- fire-retarding
- insulating
- mould-resistant

- design variety
- alternative surfaces
- economical
- system-oriented
The most important tools
Working with LUX ELEMENTS® hard foam support elements

■ Cuts and notches
  ■ Jig saw, serrated saw blade (e.g. type Bosch T313AW HCS) suitable for EL 4 to EL 100
  ■ Angle grinder with diamond wheel suitable for EL 4 to EL 50
  ■ Cutter suitable for EL 4 to EL 20
  ■ Circular table saw

■ Application of filler, for plastering and smoothing
  ■ Bricklayer’s trowel
  ■ Smoothing trowel
  ■ Notched trowel

■ Fixing and mounting
For general work involved in mounting dowels, hammer fix plugs, screws, you need:
  ■ Drill
  ■ Cordless screwdriver
  ■ Hammer

■ Measuring, marking, aligning and checking
  ■ Spirit Level
  ■ Folding ruler
  ■ Pencil
  ■ Cross slot screwdriver
  ■ Level for checking even surfaces

■ Other important accessories are:
  ■ Cartridge gun for pressing out glue cartridges
  ■ Emery board for grinding uncoated edges of the ELEMENT construction panels
  ■ Broad brush
Cutting – techniques
Working with LUX ELEMENTS® hard foam support elements

■ Cutting with the cutter – suitable for material thickness 4 to 20 mm · 3/16 to 13/16”

1a
Carry out a continuous cut on the top side of the hard foam support element along an applied ruler using the cutter.

1b
A single cut is sufficient to split thinner panels (4 mm · 3/16”). For thicker panels from 6 mm to 20 mm · 1/4 to 13/16”, bend along the cut.

1c
Then use the cutter to sever the mortar layer and the glassfibre fabric on the rear side of the hard foam support element in its bent state.

■ Cutting with the angle grinder (flex) – suitable for material thickness 4 to 50 mm · 3/16 to 115/16”

2a
Before cutting, draw a cutting line using a pencil and a ruler.

2b
Apply the angle grinder (segmented diamond grinding sheet) and cut through along the cutting line (very easy cutting).

2c
A smooth, clean cutting edge is created.

■ Cutting with the jig saw – suitable for material thickness 4 to 100 mm · 3/16 to 3 15/16”

3a
For a clean cut, we recommend a jig saw with a serrated blade (e.g. type Bosch T313AW HCS).

3b
Before the actual cut, draw a cutting line using a pencil and a ruler. Then cut to size along the line using the jig saw (very easy cut).

3c
Thick panels up to 100 mm · 3 15/16” can be cleanly cut using this technique. The jig saw is also particularly suitable for cutting contours and curves.
LUX ELEMENTS – WETROOM SOLUTION

The wetroom solution system
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The wetroom solution system
All components from a single source

Wall and floor panels
LUX ELEMENTS®-ELEMENT-EL ...
The construction panels are available in various dimensions

Bath surrounds
LUX ELEMENTS®-TOP-TR ...
Cladding for standard steel and plastic bath tubs. Ready for tiling, suitable for all installation situations

Shower bases and drain system
LUX ELEMENTS®-TUB-...
— point drainage
Tileable shower bases with sealed central or off-centre point drainage and 4-sided slope in many shapes and sizes, e.g.:

LUX ELEMENTS®-TUB-LINE ...
— linear drainage
Tileable shower bases, square or rectangular, with 1 or 4-sided slope with sealed-in floor channel drain in various sizes, e.g.:

Benches
LUX ELEMENTS®-RELAX-BA-CO ...
bench seat corner, solid and bench seat corner, floating, with assembling kit, in two widths

LUX ELEMENTS®-RELAX-BA-SOLO-G ...
bench form SOLO, straight, in two widths

Niches
LUX ELEMENTS®-RELAX-NI-...
four prefabricated niches made of hard foam support material which can be ideally combined with LUX ELEMENTS® wall panels

Curbs and Ramps
LUX ELEMENTS®-RELAX-CU-F ...
two standard curbs in different lengths as a water barrier

LUX ELEMENTS®-RELAX-RP ...
two standard ramps in different gradient, for creating a barrier-free shower area

Washstands
LUX ELEMENTS®-LAVADO-FLOAT ...
four model variants with or without recess with a “floating design”, made of hard foam support material for individual tiling

Mounting accessories
LUX ELEMENTS®-COL-MK
Mounting adhesive
LUX ELEMENTS®-DRY-DB...
Sealing tapes
LUX ELEMENTS®-DRY-ASK
Sealing filler
LUX ELEMENTS®-ARM ...
Reinforcement transitions
LUX ELEMENTS®-FIX ...
Fixings: Screws, washer, and plugs
The wetroom solution system

Assembly and sealing

1 Wall and floor panels with mounting adhesive
2 Shower base and drain system
3 Bench
4 Niche
5 Curb or Ramp
6 Washstand

Mounting accessories:
7 Sealing tape with sealing filler or mounting adhesive
8 Reinforcement transitions
9 Fastening set with screw and washer for installation on supports
Wall and floor panels

The universal construction panel

LUX ELEMENTS®-ELEMENT-EL is a support element made of polystyrene hard foam with mortar coating and glass fibre fabric on both sides. It is a more suitable material for wetroom construction than plasterboard and wood.

Application areas:

- **Wall levelling**
  4 – 6 mm · 3/16 – 1/4”

- **Wall cladding on stud frames in wet and dry areas**
  12 and 20 mm · 1/2 and 13/16”

- **Floor protection in wet and dry areas**
  12 and 20 mm · 1/2 and 13/16”

- **Floor leveling**
  with shower base flush with the floor
  12 and 20 mm · 1/2 and 13/16”

- **Installation on dots**
  from 30 mm · 13/16”

Thicker thicknesses from 30 to 100 mm · 13/16 to 315/16” are suitable for cladding, construction and insulating.

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

Ready for tiling, easy-to-use and versatile in everyday practice. Using ELEMENT to make substrates for thin-bed laying is just as problem-free as any of the processes involving design, construction, cladding, insulation and sealing.
### Wall and floor panels

#### Specifications

<table>
<thead>
<tr>
<th>Article-name</th>
<th>Dimensions length x width x thickness</th>
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<tbody>
<tr>
<td>ELEMENT-EL Baby 4</td>
<td>1250 x 600 x 4 mm 4' x 2' x 3/16&quot;</td>
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<tr>
<td>ELEMENT-EL Baby 6</td>
<td>1250 x 600 x 6 mm 4' x 2' x 1/4&quot;</td>
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<td>ELEMENT-EL Baby 10</td>
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<td>ELEMENT-EL Baby 12</td>
<td>1250 x 600 x 12 mm 4' x 2' x 1/2&quot;</td>
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<td>ELEMENT-EL Baby 20</td>
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<tr>
<td>ELEMENT-EL Baby 30</td>
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<td>ELEMENT-EL Baby 40</td>
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<td>ELEMENT-EL Baby 50</td>
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<tr>
<td>ELEMENT-EL Baby 80</td>
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<tr>
<td>ELEMENT-EL Baby 100</td>
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<tr>
<td>ELEMENT-EL Baby 100</td>
<td>1250 x 600 x 100 mm 4' x 2' x 3 15/16&quot;</td>
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</table>

**Bundle offer: Wall KIT**

The KIT includes the matching processing materials for the creation of a safe wall-substrate.

**LUX ELEMENTS®-ELEMENT-EL WALL-KIT**

Mounting set for wall-sizes 900 x 900 mm up to 1250 x 1800 mm - 3’ x 3’ up to 4’ x 6’, consisting of:

- 2 cartridges mounting adhesive COL-MK,
- 10 m - 33 ‘ reinforcement fabric ARM-100 SK,
- 3 x 50 fastening sets with screw and washer FIX-SB 45535

You can determine the number of construction panels required for your project by referring to the following table or by asking our customer consultants.

<table>
<thead>
<tr>
<th>Number of walls</th>
<th>Wall width mm</th>
<th>Required wall panel</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>900</td>
<td>4</td>
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<td>5</td>
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<td>1219</td>
<td>7</td>
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<td>1219</td>
<td>8</td>
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<td>1524</td>
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</tr>
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<td>2 1/2</td>
<td>1524</td>
<td>7</td>
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<tr>
<td>3</td>
<td>1524</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>900</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>1219</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>1219</td>
<td>5</td>
</tr>
</tbody>
</table>
**PREPARATION**

The spacing of the laths must be aligned according to national directives/approvals. The stud frame forms the substructure.

1a

Cut the panels to size in such a way that the vertical seam lies centrally on the brace.

1b

The first ELEMENT is aligned vertically and horizontally transverse to the profiles and screwed on with FIX-S 35 + suitable screws.

2

The ELEMENT construction panels are laid in groups; diagonal joints are not allowed. The ELEMENT construction panels are glued together with COL-MK. Apply the adhesive to the plate edges as an uninterrupted strand.

3

Then push the next ELEMENT into the adhesive layer.

4

After aligning, screw in with FIX-S 35 + a suitable screw. Screwing according to the indicated intervals.

5

All element joints must be reinforced with glass fibre reinforcement strips ARM-100 SK.

6

Level out the reinforced element joints and the heads of the mounting elements with fixing adhesive.

7

The surface is now ready for tiling or plastering. Further requirements (e.g. sealing for wet loads) must be taken into consideration in accordance with national directives.
The substrate must be load-bearing and vibration-free. Loose boards must be re-screwed and rotten boards no longer suitable for bearing loads must be replaced. Irregularities must be compensated using levelling filler. Paint the entire floor area with wood floor primer.

The shorter Baby construction panels from ELEMENT-EL Baby 10 are suitable for this application.

If applicable, mark and saw out cutouts for pipes or similar elements.

Lay ELEMENT-EL from EL Baby 10 in bond, cross joints are not permissible. Screwing according to the indicated intervals.

Screw spacing max. 300/300 mm - 11/11". Select screws according to the substrate and panel thickness using FIX-S 35 fastening washers.

Reinforce ELEMENT joints with ARM-100 SK ... and level out with fixing adhesive.

Also level out the bolted connections with fixing adhesive.

The surface is now ready for tiling or plastering.

We recommend a tile size of 50 x 50 mm - 2 x 2". A total pressure load of 0.1 N/mm² - 14.5 psi must not be exceeded.

When using for higher loads such as transport traffic, rack systems etc., please contact the LUX ELEMENTS technical department.
LUX ELEMENTS – WETROOM SOLUTION

Bath tub surrounds

Specifications

- **Surrounds for smooth and flush bath cladding**

  LUX ELEMENTS®-TOP-TRS ...

  **TOP-TRS 1685 S**
  Surround for bath tubs up to 1700 mm · 66 15/16”
  dimensions:
  1685 x 600 x 30 mm · 66 15/16” x 23 5/8” x 1 13/16”

  **TOP-TRS 1860 S**
  Surround for bath tubs up to 1900 m · 74 13/16”
  dimensions:
  1860 x 600 x 30 mm · 74 1/4” x 23 5/8” x 1 13/16”

  **TOP-TRS 800 S**
  Surround for bath tub head end
  dimensions:
  800 x 600 x 30 mm · 31 1/2” x 23 5/8” x 1 13/16”

  **TOP-TRS 900 S**
  Surround for bath tub head end
  dimensions:
  900 x 600 x 30 mm · 35 7/16” x 23 5/8” x 1 13/16”

  **TOP-TRS 1785 S**
  Surround for bath tubs up to 1800 mm · 70 7/8”
  dimensions:
  1785 x 600 x 30 mm · 70 1/4” x 23 5/8” x 1 13/16”

  **TOP-TRS 2100 S**
  Surround for bath tubs up to 2100 mm · 82 11/16” or tubs with foot-end shelving
  dimensions:
  2100 x 600 x 30 mm · 82 11/16” x 23 5/8” x 1 13/16”

- **Surrounds with footboard**

  LUX ELEMENTS®-TOP-TRU...

  **TOP-TRU 2100 S**
  Surround with footboard for bath tubs up to 2100 mm · 82 11/16” or bath tubs with foot-end shelving
  dimensions:
  2100 x 600 x 30 mm · 82 11/16” x 23 5/8” x 1 13/16”

  **TOP-TRU 900 S**
  Surround for bath tub head end
  dimensions:
  900 x 600 x 30 mm · 35 7/16” x 23 5/8” x 1 13/16”

- **Surrounds with ledge**

  LUX ELEMENTS®-TOP-TRV ...

  **TOP-TRV 2100 S**
  Surround with ledge for bath tubs up to 2100 mm · 82 11/16”
  dimensions:
  2100 x 580 x 30 mm · 82 11/16” x 22 13/16” x 1 13/16”

  **TOP-TRV 900 li S**
  Surround with ledge for left hand bath tub head end
  dimensions:
  900 x 580 x 30 mm · 35 7/16” x 22 13/16” x 1 13/16”

  **TOP-TRV 900 re S**
  Surround with ledge for right hand bath tub head end
  dimensions:
  900 x 580 x 30 mm · 35 7/16” x 22 13/16” x 1 13/16”

NOTE: Bath tub surrounds for standard rectangular tubs are not available as kits. Depending on the installation situation as many as 4 elements are needed.
**Installation situation**

- Free-standing
- Corner installation
- Installation with shelf
- Niche installation
- 3-sided installation

**Inspection options for TOP-TR...**

Two solutions are available to choose from for maintenance and repair.

**LUX ELEMENTS®-MONT-TOP-REVR**
Mounting aid for maintenance openings for bath tubs consisting of 2 parts for top and bottom

**LUX ELEMENTS®-TOP-REVR-TR**
Recessed, removable maintenance opening integrated into the front or side wall, for all TRV model design variants

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from [www.luxelements.ca](http://www.luxelements.ca)

**Mounting accessories**

**LUX ELEMENTS®-TOP-AN**
Mounting aid for cladding elements:
- 2 rabbets EL 50 with 2 pieces FIX-FID 110 each

**LUX ELEMENTS®-TOP-KIT**
Mounting kit for bath tub surrounds:
- 4 pieces FIX-FID 110,
- 10 pieces FIX-SD 80
- 1 cartridge COL-MK

**Additional material required:**

fixing adhesive

ARM-100 SK
reinforcement transition
The bath tub is positioned and aligned by means of the tub legs, and the connections are professionally mounted. Wall fittings are required for the installation of the head and side claddings.

PREPARATION

The fitting has to be set back from the bath tub edge.

Apply the COL-MK mounting adhesive to the wall fittings in a serpentine pattern, stick on the fittings...

...and then secure using FIX-FID 110 hammer fix plugs.

Cut the head element TOP-TRS with a saw, setting it back from the bath tub edge to allow for the element and tile thickness.

Apply the adhesive COL-MK to the face end of the wall fitting...

... and the top edge of the head element.

Push the head element firmly under the bath tub edge and against the end stop.
Cut the side element to size using a saw. Apply the Adhesive COL-MK to the face end of the head element and the top edge of the side element.

TIP: Pre-pierce dowel holes using a cross slot screwdriver.

Screw two screw plugs FIX-SD 80 into the wall fitting through the head element.

Use the locking screw to regulate the height of the cladding.

... and connect them with screw plugs FIX-SD 80 (using the method described in Item 4b to 4e).

The cladding joints must be reinforced with glass fibre reinforcement strips ARM-100 SK.

Level out the reinforced joints with fixing adhesive. The surface is now ready for tiling or plastering.
Shower bases and drain system

Specifications

Point and linear drainage – the principle

LUX ELEMENTS®-TUB ...
Tileable shower bases, square or rectangular, with sealed central or off-centre point drainage and 4-sided slope in many shapes and sizes.

LUX ELEMENTS®-TUB-RA-...
Height-adjustable grate fitting frame made of ABS to suit tile thickness and drain grate.

Acceptable tile thicknesses (tile + adhesive)

- for the shower base at least 5 mm - 3/16" (RA-DA, RA-DC, RA-DM, RA-DL, RA-DS, RA-S)
- for the shower base at least 5 mm - 3/16", for the tileable cover = 8 mm - 5/16" (RA-DV)
- for the shower base at least 14 mm - 9/16", for the tileable cover = 11 mm - 7/16" (RA-DF)

1 Two drainage versions – Point drainage with height-adjustable grate fitting frame and standard or design grate, or linear drainage with reversible cover rail for two surface variants, tiled or stainless steel, height-adjustable.

2 Shower base element – Equipped with factory-fitted seal and slope as well as sealed-in grate or channel fitting frame for high security.

3 Floor drain support – Fits all LUX ELEMENTS® shower base elements with point or linear drainage. Secure and fast installation by means of click system, cUPC certified.
LUX ELEMENTS®-TUB-LINE …

Tileable shower bases, square or rectangular, with 4-sided or single sided slope with sealed-in floor channel drain in various sizes.

Separately provided adapters that can be cut as required enable height-adjustability of the channel for surface covering thicknesses from 5 to 17 mm - \(3/16\)" to \(11/16\)".

Acceptable tile thicknesses (tile + adhesive)
- for the shower base minimum 5 mm - \(3/16\)", maximum 17 mm - \(11/16\)"
- for the tileable stainless steel channel cover = 12 mm - \(1/2\)"

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.ca
Shower bases and drain system

Specifications

■ Shower bases for universal applications
Hard foam shower base elements for concrete substrates or wooden sub-constructions.

LUX ELEMENTS®-TUB ...

Drain position: in the corner or off-centre

TUB-EQ ...
Square, standard dimensions up to 1500 x 1500 x 30/45 mm · 59 7/16 x 59 7/16 x 1 13/16 x 1 13/16.

TUB-EK ...
Quadrant, standard dimensions up to 1000 x 1000 x 30/45 mm · 39 3/8 x 39 3/8 x 13/16 x 13/16.

Drain position: in the centre

TUB-MQ ...
Square, standard dimensions up to 1500 x 1500 x 30/45 mm · 59 7/16 x 59 7/16 x 1 13/16 x 1 13/16.

TUB-MK ...
Quadrant, standard dimensions up to 1000 x 1000 x 30/45 mm · 39 3/8 x 39 3/8 x 13/16 x 13/16.

Linear drainage
Hard foam shower base elements, with integrated and sealed floor drain support frame 135 x 135 mm · 5 x 5”.

LUX ELEMENTS®-TUB-LINE ...

“Floor channel drain: 750 x 70 mm · 29 1/2” x 2 3/4”

TUB-LINE Q1 ...
Square, 1-sided slope, standard dimensions 900 x 900 x 30/45 mm · 35 7/16 x 35 7/16 x 13/16 x 13/16.

TUB-LINE Q4 ...
Square, 4-sided slope, standard dimensions up to 1200 x 1200 x 30/45 mm · 47 1/4 x 47 1/4 x 13/16 x 13/16.

TUB-LINE R1 ...
Rectangular, 1-sided slope, standard dimensions 1200 x 1000 x 30/45 mm · 47 1/4 x 39 3/8 x 13/16 x 13/16.

TUB-LINE R4 ...
Rectangular, 4-sided slope, standard dimensions up to 1600 x 900 x 30/45 mm · 63" x 39 3/8" x 13/16 x 13/16.

Point drainage
Hard foam shower base elements, with integrated and sealed floor channel drain on shorter side*, with cover rail and tiling aid made of brushed stainless steel, cover rail tileable on the rear side (see page 19), with odour trap, height-adjustable with height adapter from 5 – 17 mm · 3/16 – 11/16.”
### Shower drain elements for flexible applications

If a screed floor with a slope already exists, this is the ideal solution for the secure installation of a shower.

**Point drainage**

Hard foam shower drain element, 300 x 300 x 30 mm · 11 13/16” x 11 13/16” x 1 3/16”, with integrated floor drain support frame 135 x 135 mm · 5 x 5”, loose sealing sleeve 400 x 400 mm · 15 3/4” x 15 3/4” and substrate element TUB-UMQ 300 x 300 x 55 mm · 11 13/16” x 11 13/16” x 2 5/16”.

**LUX ELEMENTS®-TUB-MQ-SET 300**

**Linear drainage**

Floor channel drain with cover rail and tiling aid made of brushed stainless steel, cover rail tileable on the rear side, with odour trap, height-adjustable with height adaptor from 5 – 17 mm · 3/16 – 11/16”, integrated in hard foam support element, including substrate element, including sealing sleeve.

**LUX ELEMENTS®-TUB-LINE RT ...**

**Shower bases for the substitution of bath tubs**

The dimensions of these shower bases correspond to the size of common bath tubs. Hence, an old tub is replaced simply and fast by a modern shower base.

**Point drainage**

Hard foam shower base elements, with integrated and sealed floor drain support frame 135 x 135 mm · 5 x 5”. Can be cut to length outside the shower area. Drain in the slope area in the centre.

**Linear drainage**

Hard foam shower base element, with 4-sided gradient, with integrated and sealed floor channel drain 70 x 750 mm · 2 3/4” x 29 1/2”, standard dimensions 1800 x 900 x 30/45 mm · 70 7/8” x 36 7/16” x 13/16/13/4”.

**LUX ELEMENTS®-TUB-LINE BOL ...**

**Note:** the fittings are to be located in the shower area.
Shower bases and drain system

Specifications

■ Curbless shower bases
These particularly flat products can be integrated optimally into existing wooden floors. A special reinforcement on the underside provides for high stability.

Lux Elements®-Tub-H ...
Drain position: in the corner

Lux Elements®-Tub-HEQ ...
Square, standard dimensions up to 1200 x 1200 x 15/30 mm - 47 1/4” x 47 1/4” x 9/16/13/16”.

Lux Elements®-Tub-HER ...
Rectangular, standard dimensions up to 1600 x 900 x 15/30 mm - 63” x 35 7/16” x 9/16/13/16”.

... as a substitute for bath tubs

Lux Elements®-Tub-BOL 1800/900
Rectangular, standard dimensions 1800 x 900 x 15/30 mm - 70 7/16” x 36 7/16” x 9/16/13/16”. Can be cut to length outside the shower area. Drain in the slope area in the centre.

Lux Elements®-Tub-Line H ...

Floor channel drain: 750 x 70 mm - 29 1/2” x 2 3/4”

Lux Elements®-Tub-Line HQ4 900
Square, standard dimensions 900 x 900 x 20/30 mm - 35 7/16” x 35 7/16” x 13/16/13/16”.

Lux Elements®-Tub-Line HR4 ...
Rectangular, standard dimensions up to 1400 x 900 x 20/30 mm - 55 1/8” x 35 7/16” x 13/16/13/16”.

Lux Elements®-Tub-Line Q4 ...
Square, standard dimensions up to 1200 x 1200 x 20/30 mm - 47 1/4” x 47 1/4” x 13/16/13/16”.

... as a substitute for bath tubs

Lux Elements®-Tub-Line H BOL 1800/900
Rectangular, standard dimensions 1800 x 900 x 20/30 mm - 70 7/16” x 36 7/16” x 13/16/13/16”. Can be cut to length outside the shower area.

Special formats – TUB-PLUS

You can not find the right product? We also manufacture made-to-measure! Sizes, shapes, thicknesses etc., that do not correspond to the standard range can be enquired about separately at LUX ELEMENTS. After successful verification of the feasibility we will create a non binding offer. Once we receive your order, the order will be manufactured.
Sealing of the shower area

Specifications

- **Liquid sealing – the principle**
  The proven and tested system components are fully matched to the processing of the hard foam support elements. The specially developed accessories ensure trouble-free working and high processing reliability.

  - TUB... — Shower base with factory-fitted seal
  - ELEMENT-EL — water-resistant construction panel
  - DRY-DB — sealing tape for connections
  - DRY-ASK — sealing filler for sealing in the sealing tapes*
  - DRY-DBIE — sealing tape as a shaped part “inner corner”

  *NOTE: It is possible to create a sealing using LUX ELEMENTS®-COL-MK mounting adhesive instead of LUX ELEMENTS®-DRY-ASK.

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

  **LUX ELEMENTS®-DRY-ASK**
  Sealing Filler,
  single-component, water-impermeable, crack-bridging and flexible sealing compound.

  - 3.5 kg
  - 20 kg

  **LUX ELEMENTS®-DRY-DB...**
  sealing tapes

  **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 COL-MK.

  **DRY-DBIE/DBAE**
  Sealing tape for inside and outside corners

- **Adhesives**
  For the processing of hard foam support elements.

  **LUX ELEMENTS®-COL-MK**
  Mounting adhesive,
  COL-MK is a moisture cross-linking, single component adhesive on an STP polymer basis for the gluing of LUX ELEMENTS® hard foam support elements.

- **Bundle offer: TUB-KITs**
  **LUX ELEMENTS®-TUB-KIT CA A**
  Mounting kit for shower bases consisting of:
  - 1 x floor drain support Canadian Standard for point or linear drainage TUB-BA-S CST,
  - 1 x TUB-GEL, lubricant
  - 1 x 3.5 kg sealing filler DRY-ASK,
  - 20 m · 66’ sealing tape DRY-DB,
  - 4 x DRY-DBIE

  **LUX ELEMENTS®-TUB-KIT CA**
  Mounting kit for shower bases consisting of:
  - 1 x floor drain support Canadian Standard for point or linear drainage TUB-BA-S CST,
  - 1 x TUB-GEL, lubricant
  - 3 cartridges mounting adhesive COL-MK,
  - 20 m · 66’ sealing tape DRY-DB,
  - 4 x DRY-DBIE

  **LUX ELEMENTS®-DRY-ASK**
  Sealing Filler, single-component, water-impermeable, crack-bridging and flexible sealing compound.

  - 3.5 kg
  - 20 kg

  **LUX ELEMENTS®-COL-MK**
  Mounting adhesive,
  COL-MK is a moisture cross-linking, single component adhesive on an STP polymer basis for the gluing of LUX ELEMENTS® hard foam support elements.

Additional material required:

- fixing adhesive
- wood floor primer
Shower base – Installation upon wooden floor, floor drain assembly

**PREPARATION**

**PLEASE OBSERVE:**
do not engage the floor drain support to the shower base prior to installation!

1. Mark the LUX ELEMENTS TUB® shower tray position onto the floor. Carefully remove the TUB shower tray and store somewhere safe.

2. Determine the adapter piece to the existing drain pipe.

3. Cut off the marked part using a bow saw.

4a. Apply adhesive to the connecting piece and push it into the existing drain pipe.

4b. Apply adhesive to the adapter and position it on the connecting piece.

5. Sealing test: Check the leak tightness of the drain and pipe by filling with water.

6. Paint the entire floor area with wood floor primer. Leave to dry for at least 2 hours. Where the TUB shower tray will sit, spread fixing adhesive onto the floor and drag the notched adhesive trowel (6 – 8 mm · 1/4 – 5/16") across the surface.

7a. Smear some lubricant TUB-GEL (included) around the black rubber seal of the shower drain base.
Shower bases and drain system — Processing

Spread fixing adhesive onto the backside of the tray. Place the shower tray into position.

Put your fingers through the drain hole in the shower tray. Push down on the tray and ...

... pull the shower drain base upwards until it clicks into place into the drain hole in the shower tray. After connecting the shower drain base and the shower tray correctly, the black rubber seal of the drain base should be invisible.

For sealing the shower base we recommend the use of the tape sealer DRY-ASK, and as the fast variant the mounting adhesive COL-MK.

For other sealing options, please observe the national guidelines and release of the respective manufacturer.

Our guarantee refers only to products from our system.

For detailed information and application techniques, please refer to pages 23 and 28 – 29.

The surface is now ready for tiling or plastering.

After tiling the TUB-RA... grate fitting frame can be fitted. Measure the distance from the top edge of the laid tile to the lower edge of the ramp frame. Add 10 mm - 3/8 " to this value.

Mark this distance all round the grate fitting stub. Cut off the excess part using a bow saw. Insert the fitting stub carefully into the TUB shower base element and check your work.
PREPARATION

Before proceeding, check thoroughly for pipes and wires under the floor. From the nails or screws holding the existing flooring down, establish where the joists are. Paint the entire floor area with wood floor primer.

1a
Mark the LUX ELEMENTS TUB® shower tray position onto the floor. Carefully remove the TUB shower tray and store somewhere safe.

1b
Remove all nails and screws within the marked area. Adjust the cutting depth of the circular saw to the thickness of the existing wooden flooring. Saw along the marked lines using the circular saw ...

1c
... and then remove the floor. Make sure that the remaining floor boards or sheets in the rest of the room are fully secured down and as level and flat as possible.

2a
Measure the spacings between the beams from centre line to centre line.

2b
Mark the centre line of the first joist outside the TUB shower base element. You must remove the floor up to this line. Keep this floor piece!

3a
All exposed joists will now need a batten running along the inside of the joist. Cut some wooden batten to length.

3b
To accommodate the new plywood low level floor, the slats must be attached exactly one plywood board thickness underneath the top edge of the joists.

3c
Screw the slats at approximately 150 mm - 5 7/8" intervals to the inside of all joists.
Cut some plywood to fit between the joists on top of the batten fitted in step 3c.

Using a jig saw, saw a hole in the plywood so that the drain and the adaptor can be reached through the new floor.

Fix the plywood on top of the wooden battens with a suitable wood screw at approximately 150 mm - 5 7/8” intervals.

Mark the LUX ELEMENTS TUB® shower tray position onto the new floor. Carefully remove the TUB shower tray and store somewhere safe.

The gap between the edge of the TUB shower tray and the start of the original flooring should be filled with a piece of the flooring that you removed in step 2b and securely screwed down onto the new plywood.

Install ELEMENT-EL Baby construction panels in the appropriate thickness (<10 mm - 3/8”) for connection. Select screws according to the substrate and panel thickness using FIX-S 35 fastening washers.

The ELEMENT panels are designed to be fitted flat. Cross joints are not permissible. Screwing according to the indicated intervals.

Sealing of the shower base and the adjacent walls and floors as on page 25. Sealing of the remaining floor as on page 13 figures 3 – 4b.
Sealing of the shower area – with sealing filler and sealing tape

1. Brush DRY-ASK sealing filler onto the corners and edges to seal the shower base.

2. Apply DRY-DB-IE sealing tape as a moulding for the inner corners and press on using a smoothing trowel.

3. In the second step the joint is levelled out using DRY-ASK sealing filler.

4a. Using the same method, seal the remaining edges of the shower base and the adjacent walls and floors ...

4b. ... with DRY-ASK sealing filler and DRY-DB sealing tape.

5. Press the sealing tape on with a smoothing trowel.

6. Level out the adjacent surfaces and joints using DRY-ASK sealing filler.

7a. The surface is now ready for tiling or plastering.
Sealing of the shower area — Processing

- Sealing of the shower area — with mounting adhesive and sealing tape

1. Use a continuous strand of COL-MK mounting adhesive to seal the edges of the shower base.

2. In the corners, additionally apply the adhesive in a serpentine pattern ...

3. ... and spread it using a notched trowel.

4. Apply DRY-DB-IE sealing tape as a moulding for the inner corners and press on using a smoothing trowel. Remove excess adhesive.

5. Seal the remaining edges of the shower base and the adjacent walls and floors using COL-MK mounting adhesive ...

6. ... and DRY-DB sealing tape.

7. Remove excess adhesive.

8. The surface is now ready for tiling or plastering.
LUX ELEMENTS – WETROOM SOLUTION

Bench seat corner

LUX ELEMENTS®-RELAX-BA-CO
bench seat corner, solid
dimensions:
816 x 577 x 508 mm
32 1/8" x 22 11/16" x 20"

LUX ELEMENTS®-RELAX-BA-CO FLOAT ...
bench seat corner, floating, with assembling kit:
■ 1 cartridge mounting adhesive COL-MK
■ 6 fastening sets FIX-SB 80S35
■ 4 special screw plugs FIX-SD 80

RELAX-BA-CO FLOAT L
large, dimensions:
864 x 610 x 100 mm
34" x 24" x 3 15/16"

RELAX-BA-CO FLOAT S
small, dimensions:
610 x 430 x 100 mm
24" x 16 15/16" x 3 15/16"

Bench straight

LUX ELEMENTS®-RELAX-BA-SOLO-G ...
bench form SOLO, straight

RELAX-BA-SOLO-G 900
dimensions:
900 x 500 x 450 mm
35 7/16" x 19 11/16" x 17 11/16"

RELAX-BA-SOLO-G 750
dimensions:
750 x 500 x 450 mm
29 1/4" x 19 11/16" x 17 11/16"
Niches Specifications

- **Niches**
  - **LUX ELEMENTS®-RELAX-NI** ...
    - Prefabricated from ELEMENT-EL 12
  - **RELAX-NI-S**
    - External dimensions: 406 x 89 x 203 mm
    - Internal dimensions: 305 x 77 x 102 mm
    - 16" x 3 1/2" x 8"
    - 11" x 3" x 4"
  - **RELAX-NI-M**
    - External dimensions: 406 x 89 x 406 mm
    - Internal dimensions: 305 x 77 x 304 mm
    - 16" x 3 1/2" x 16"
    - 11" x 3" x 11"
  - **RELAX-NI-L**
    - With one shelf
    - External dimensions: 406 x 89 x 559 mm
    - Internal dimensions: 305 x 77 x 457 mm
    - 16" x 3 1/2" x 22"
    - 11" x 3" x 18"
  - **RELAX-NI-XL**
    - With two shelves
    - External dimensions: 406 x 89 x 1070 mm
    - Internal dimensions: 305 x 77 x 968 mm
    - 16" x 3 1/2" x 42 1/8"
    - 11" x 3" x 38"

- **Additional material required:**
  - FIX-SB screw + washer
  - COL-MK Mounting adhesive
  - ARM-100 SK reinforcement transition

Curbs and Ramps Specifications

- **Curbs**
  - Prefabricated curbs made of hard foam support material
  - **LUX ELEMENTS®-RELAX-CU-F 5**
    - Dimensions:
      - 1524 x 114 x 130/127 mm
      - 60" x 4 1/2" x 5 1/4" / 5"
  - **LUX ELEMENTS®-RELAX-RP M**
    - Medium, gradient 19.2%, dimensions:
      - 1828 x 204 x 45 mm
      - 71 15/16" x 8 1/16" x 1 3/4"

- **Ramps**
  - Prefabricated ramps made of hard foam support material
  - **LUX ELEMENTS®-RELAX-RP M**
    - Gradient 19.2%, external dimensions:
      - 1828 x 204 x 45 mm
      - 71 15/16" x 8 1/16" x 1 3/4"
  - **LUX ELEMENTS®-RELAX-RP L**
    - Gradient 12.8%, dimensions:
      - 1828 x 304 x 45 mm
      - 71 15/16" x 11 15/16" x 1 3/4"

- **Additional material required:**
  - DRY-DB Sealing Tape
  - DRY-ASK Sealing filler
  - COL-MK Mounting adhesive
**PREPARATION**

Please observe that the stop plates on which the seat is fixed can be anchored in the stud frame.

1. For new buildings, plan the stud frame in such a way that a cross beam is installed at the point bearing the load. For renovation work, insert the necessary braces.

2a. Measure the desired sitting height ...

... and mark it in vertical alignment.

2b. The seat requires a slope to drain off splash water. For this purpose, position the seat, move it downwards by at least 1.5% in the front area and then mark it.

2c. Apply and mark the wall fittings on this new line. Remove all nails and screws within the marked area.

2d. Screw down the stop plates using a suitable FIX-SB fastening set.

3. Then apply COL-MK mounting adhesive to the rear side of the wall fittings in a serpentine pattern and move them slightly against one another when bonding the contact surfaces.

4a. Apply COL-MK mounting adhesive in a serpentine pattern to all edges to be bonded, ...
... position the seat surface on the wall fittings and move the adhesive surfaces slightly against one another while doing so. Then press on firmly.

TIP: Pre-pierce dowel holes using a cross slot screwdriver.

Screw the seat surface to the stop plates using 2 screw plugs of type FIX-SD-80.

Check the slope of the seating face with a spirit level.

Finally, apply a continuous strand of COL-MK mounting adhesive to the abutting edges.

The surface is now ready for tiling or plastering.

Would you like detailed information about a product, or are you looking for a data sheet, a test certificate or installation instructions? You will find all product information and a comprehensive download area on our homepage.

Simply click and take a look.

www.luxelements.ca
**Niche — with two shelves**

**PREPARATION**

Make sure that the outer edging of the niche can be anchored in the stud frame. For this, the outer edge of the niche must lie centrally on the beam.

**1**

In new buildings, plan the spacing of the stud frame accordingly and install cross beams at the positions required. For renovation work, insert the necessary braces.

**2**

Mark the desired position of the niche in vertical alignment. Remove all nails and screws within the marked area.

**3a**

Use a cutter to cut the outer contours of the niche out of the boarding.

**3b**

This can then be easily lifted out of the remaining wall using a spatula.

**3c**

If necessary, remove the insulating material for the depth of the niche.

**Important:** Subsequently, close the air tightness layer (film) again.

**4a**

Apply COL-MK mounting adhesive in a serpentine pattern to all edges to be bonded, ...

**4b**

... insert the niche into the wall and move the adhesive surface slightly against one another while doing so. Then press on firmly.

**4c**

Once again, apply a continuous strand of COL-MK mounting adhesive to the seam edges.
Remove excess adhesive.

Screw down the seam edges using a suitable FIX-SB fastening set.

Mark the position of the niche bases.

Apply COL-MK mounting adhesive in a serpentine pattern to the base edges to be bonded, ...

... insert the base into the niche and move the adhesive surfaces slightly against one another while doing so.

Bring the niche base into position and secure it until the adhesive has set. Remove excess adhesive.

All element joints must be reinforced with glass fibre reinforcement strips ARM-100 SK.

Level out the reinforced element joints and the heads of the mounting elements with fixing adhesive.

The surface is now ready for tiling or plastering.
LUX ELEMENTS – WETROOM SOLUTION

Curb or ramp

1a
Transfer the desired length to the curb ...

1b
... and cut it to size.

1c
Check the measurement accuracy prior to bonding.

1d
Apply COL-MK mounting adhesive in a serpentine pattern to all edges to be bonded, ...

2a
... insert the curb and move the adhesive surfaces slightly against one another while doing so. Then press on firmly.

2b
Seal the inner side of the curb just as the rest of the shower base, using tape DRY-ASK sealing filler...

2c
... and DRY-DB sealing tape. See page 26.

3
Assembly of the ramp is performed according to the same principle.
Curbs and Ramps – Processing

Installation video on www.m.luxelements.com
or visit our new YouTube-Channel on
www.youtube.com/user/luxelements.com

Would you like detailed information about a product, or are you looking for a data sheet, a test certificate or installation instructions? You will find all product information and a comprehensive download area on our homepage. Simply click and take a look.

www.luxelements.ca
**Washstands**

**Specifications**

**LUX ELEMENTS®-LAVADO-FLOAT – the principle**

- Hard foam support element
- with fabric coating
- Basin recess
- with built-in slope

Conventional stem valves e.g. Viega Visign VI are suitable for the drain connection

Assembly openings for the simple assembly of drain and taps

Simple to shorten

The installation of LAVADO-FLOAT is possible not only on masonry but also on stud frames

The construction of a row of washstands is also possible by means of arranging and glueing together several washstands
Washstands with invisible suspension as set for single washing facility, incl. 1 piece COL-MK and 2 stainless steel brackets 450 mm · 17 1/4" in length.

**LUX ELEMENTS®-LAVADO-FLOAT G**
- Washstand, even, without recess
- Dimensions: 1170 x 585 x 100 mm
  - 46 1/16" x 23 1/16" x 3 15/16"

**LUX ELEMENTS®-LAVADO-FLOAT E**
- Washstand with elliptical recess
- Dimensions: 1170 x 585 x 100 mm
  - 46 1/16" x 23 1/16" x 3 15/16"

**LUX ELEMENTS®-LAVADO-FLOAT R**
- Washstand with rectangular recess
- Dimensions: 1170 x 585 x 100 mm
  - 46 1/16" x 23 1/16" x 3 15/16"

**LUX ELEMENTS®-LAVADO-FLOAT Z**
- Washstand with cylindrical recess
- Dimensions: 1170 x 585 x 100 mm
  - 46 1/16" x 23 1/16" x 3 15/16"

For further information, please refer to our documents. Data sheets, test certificates and processing instructions can be downloaded from www.luxelements.com
PREPARATION
When assembling on a stud frame: Please observe that the stainless steel brackets that carry the washstand body can be anchored in the stud frame.

1a
Take the washstand out of its packaging and remove the stainless steel brackets. Keep the individual parts in a safe place until they are installed.

1b
Observe the enclosed installation instructions. Take the notes for wall construction into account.

2a
Install a mounting plate with a sufficient loadbearing capacity crossbeam (d > 18 mm · d > 11/16") for fastening the LUX ELEMENTS® LAVADO-FLOAT ... washstand.

2b
Check the flatness of the construction.

2c
Line the stud wall construction e.g. with LUX ELEMENTS®-ELEMENT-EL. Application instructions on page 12. An alternative cladding is possible.

3a
Determine the height of the washstand and mark it in vertical alignment.

3b
Cut out the mounting template on the rear side of the box ...
Use screws suitable for the fastening substrate and according to requirements in order to ensure a permanent and stable connection. Screw the brackets flat to the substructure.

Check perpendicularly to the substrate. Ensure that the bracket runs parallel. If in doubt, rework the substrate.

Check and ensure the horizontal seating of the brackets.

Push the washstand onto the brackets without glue in order to check the seating and position.

Apply COL-MK mounting adhesive to all wall-contact surfaces of the washstand. The brackets do not have to be adhered.

... and check the seating and position immediately after assembly. If necessary, readjust before the adhesive hardens.

Seal the washstand around the washbasin with DRY-ASK sealing filler.

The surface is now ready for tiling or plastering.
Processing tips

Storage and transport

All hard foam support elements must be stored lying down straight in a dry place. Should a construction panel be slightly warped due to improper storage or other reasons, it can usually be straightened by light bending and pressing.

Laying and screwing

Before applying the adhesive in dots, pre-pierce the holes for the dowels with a cross slot screwdriver.

Fixing and glueing

If ELEMENT-EL Baby 4 is used, always apply the fixing adhesive over the full surface using a toothed trowel.

Press the shower base firmly into the thinset bed, ensuring that the installation is level and void free. Apply some weight equally and for at least 30 minutes.

Optimal edge glueing

If an absolutely even glueing surface is required, the edges of the hard foam support element should first be ground. For this, use an emery board. Hard foam support elements are glued to one another using COL-MK. The adhesive is applied in a serpentine pattern to the edges of the panels. To achieve optimal adhesive distribution, the construction panels are rubbed against one another slightly when placed together.
**Easy fastening – for light loads on tiles**

- e.g. for a combination stud frame/tile
- Drilling the tile for the use of a suitable cavity dowel.

**Easy fastening – for light loads on mosaic**

- e.g. for a combination of full material/mosaic
- Cut the hard foam support material with a cutter, scratch out the hard foam, fill with fixing adhesive, anchor the mounting set later in fixing adhesive.

**Fastenings – for higher load accommodation**

- e.g. combination of solid material with FIX-PRO-MAK
- Hard plastic insert, which is glued onto the hard foam or embedded into it.

**Installation of wall sockets, cable and pipe installation**

- e.g. cavity socket in support construction
- Drill a hole in the ELEMENT with a core drill.

- e.g. cavity socket (or load) in solid material
- Cut in parallel into the hard foam support material. Depending on the size and length of the hard foam support elements, cutters or angle grinders (Flex) with a diamondwheel can be used for slitting. Remove hard foam with suitable tools (e.g. screwdriver or wire brush) as far as necessary, lay and level out with fixing adhesive.
Installation videos on www.m.luxelements.com or visit our new YouTube-Channel on www.youtube.com/user/luxelementscom