

PROFESSIONAL BATHROOM CONSTRUCTION

Secure. Fast. Individual.





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Secure. Fast. Individual.



Turning a plan into reality...

The plans for the new bathroom are finally finished. The implementation now follows. However, before walls and floors are covered with tiles, natural stone or plaster, it is essential to create a secure substrate.

The demands on the material for this substrate are high: in order to reliably protect against damage, it must be waterproof and mould-resistant. In addition, the building material should be easy to process without long drying times, so that the bathroom is finished quickly. A light weight is also an advantage, especially when installing in old buildings.

Hard foam support elements from LUX ELEMENTS combine all these properties and offer further benefits. Read on!

The ORIGINAL can do!

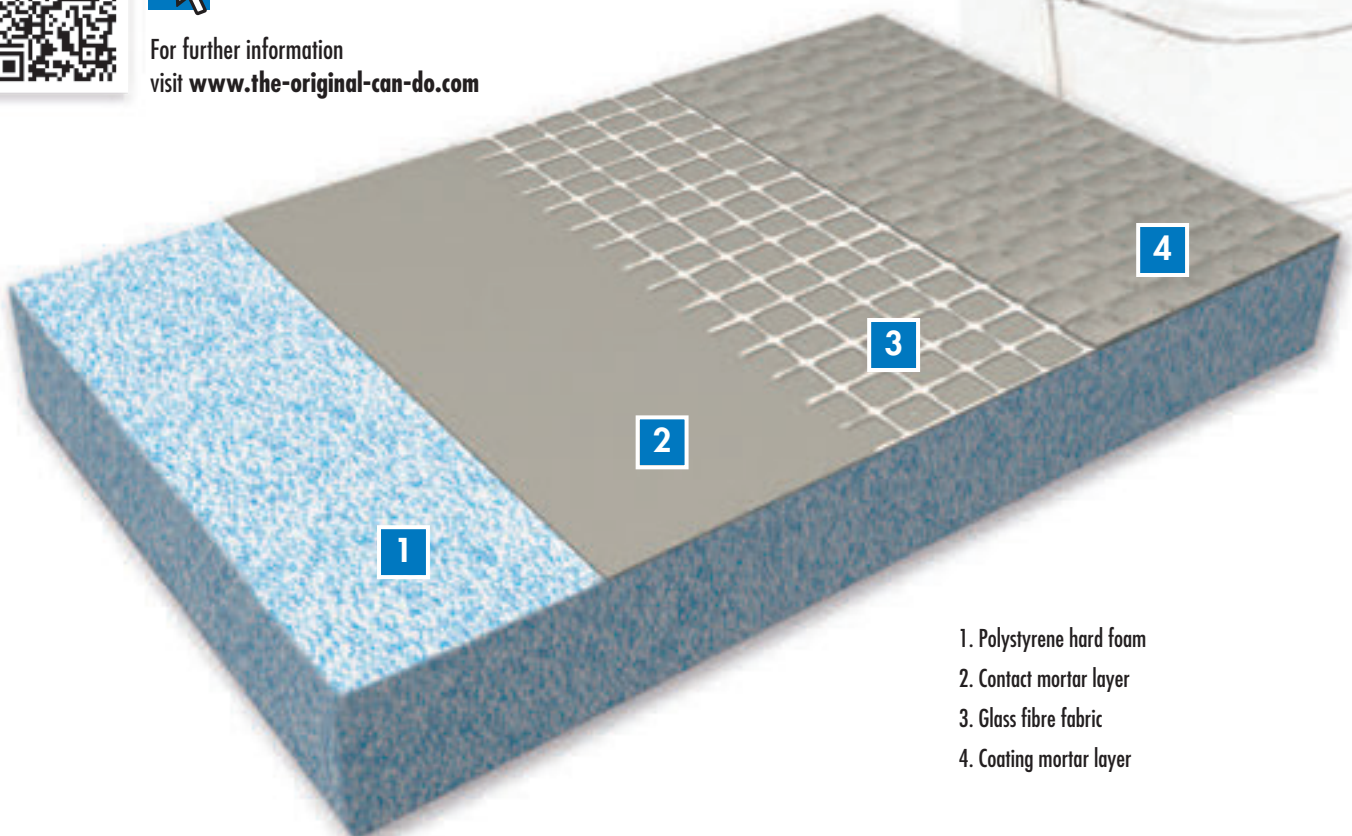
Hard foam support elements from **LUX ELEMENTS**

Whether for a new construction or a renovation: as soon as the design planning for the new bathroom is finished, the question arises: with which products can this plan be turned into reality?

Design your new bathroom with hard foam support elements from LUX ELEMENTS. This building material enables individual ideas to be put into practice and brings along all the properties that are advantageous in a wetroom.



For further information
visit www.the-original-can-do.com



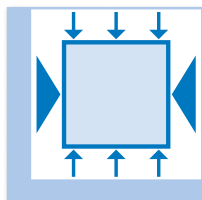
1. Polystyrene hard foam
2. Contact mortar layer
3. Glass fibre fabric
4. Coating mortar layer



environmentally friendly



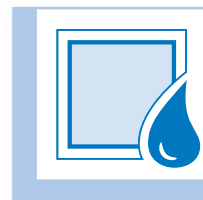
proven quality



pressure-stable and rigid



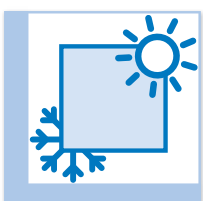
lightweight



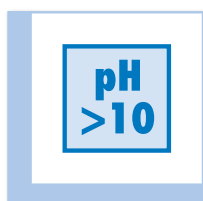
water-resistant



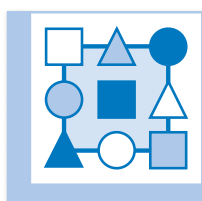
fire-retarding



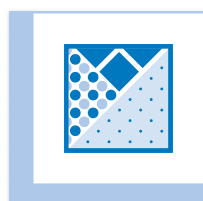
insulating



mould-resistant



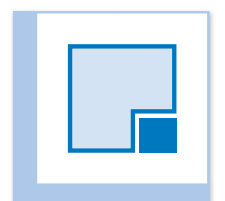
design variety



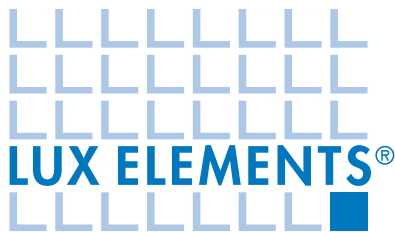
alternative surfaces



economical



system-oriented



www.luxelements.com

Competence in the system

Wetroom solutions all from a single source

Many different products are used in bathroom construction and design. In order to build safely, it is important that they are optimally matched to each other. As a system supplier, we supply all the necessary components for the substrate from a single source and thus offer a high level of security.

■ Substrates for walls and floors

Moisture-insensitive substrate, proven to be suitable for wetrooms

■ Shower bases

Factory-sealed and with prefabricated gradient

■ Sealing tapes and sealing filler

System components according to ETA-13/0238

■ Adhesives

■ Fastening sets and dowels

■ Reinforcement fabric

■ Partition walls

■ Niches

■ Installation cladding

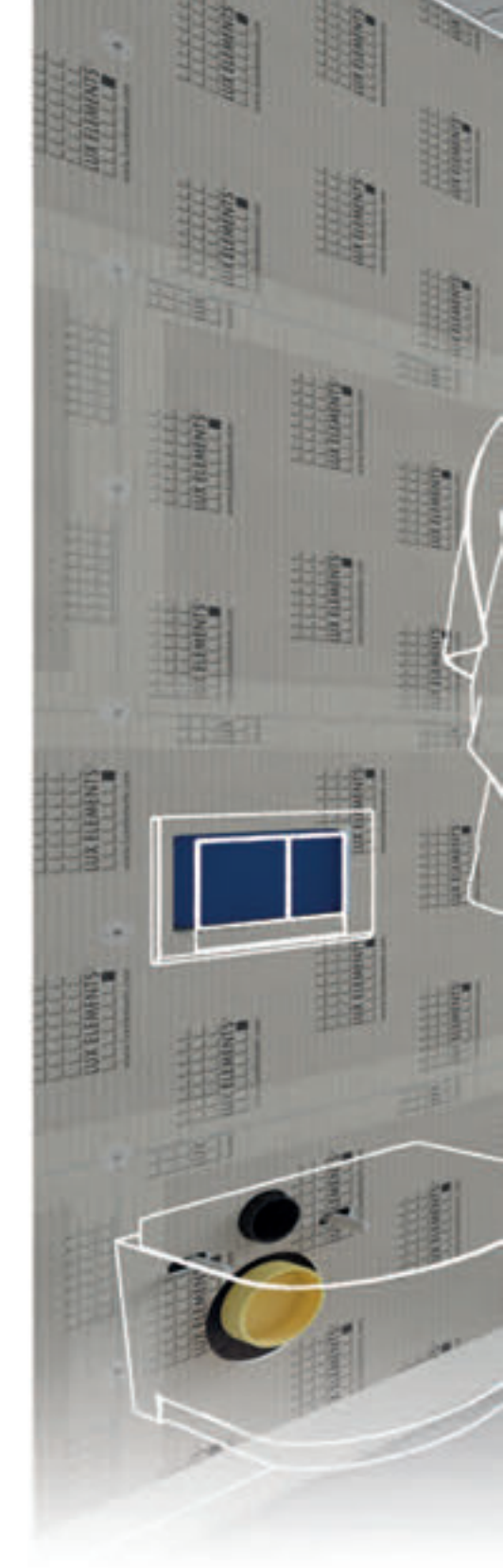
■ Washstands

In addition to standard products, also individually made to measure products are available under the designation 'PLUS'.



■ Working in a system

All components, including the accessories offered, are coordinated and checked in the system.





For further information
visit www.luxelements.com.

The consideration of **total quality assurance** determines the way we work at every stage in the process, starting with the choice of suitable raw materials and the individual production stages through to the reliable processing of our products using the agreed system components – something we have been doing for quite some time...

So that our products can be installed professionally at their place of use, we hold regular **training courses for customers and installers** in which we provide theoretical and practical training on the use of the hard foam support material.

This allows us to keep in touch with the actual users and to use this experience for our research and product development, because our utmost goal is to have **satisfied customers who trust the quality and benefits of our products**.



LUX ELEMENTS – Online

Further information

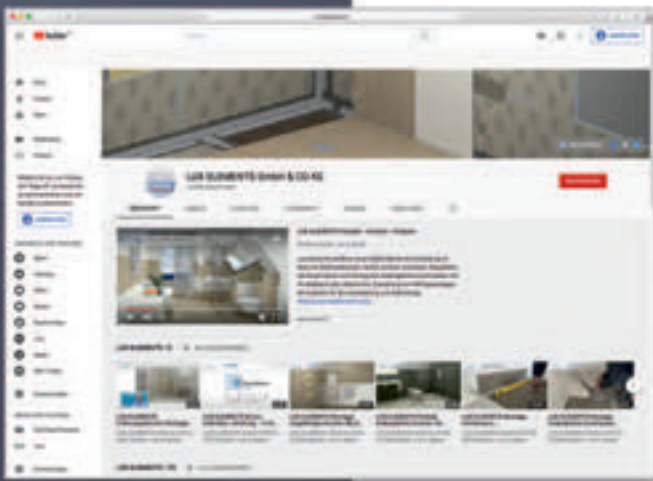


Website – Product information and download centre

Detailed information on all products and on the company. A clearly arranged download area contains data sheets, assembly instructions, test reports and all brochures in PDF format.

Links to the online calculator and YouTube on the home page.

www.luxelements.com



YouTube – Product and assembly videos

Illustrative information on many products, arranged into playlists. An extensive range of assembly videos shows you step by step how fast and simple the installation of the LUX ELEMENTS® hard foam support elements is:

www.youtube.com/user/luxelementscom



Online-calculator – Determining material requirements

Complete bill of materials for a defined application. A few steps lead to free and non-binding information on the required material from the LUX ELEMENTS product range – available as a PDF document.

Online calculator (home page, see icon) at:

www.luxelements.com



From experience –

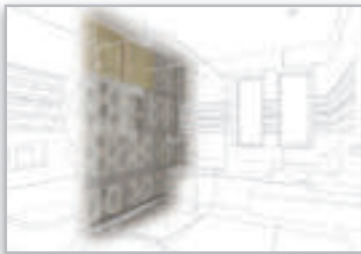
Solutions to problems in bathroom construction

■ Wall applications



... on masonry, concrete and plaster 14

The task:
 Compensate for uneven walls
The solution:
 Levelling with the universal construction panel



... on metal or wooden stud frames 16

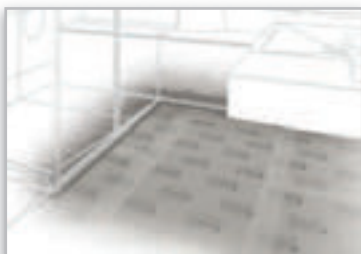
The task:
 Wall cladding on stud frames
The solution:
 Wall cladding with the universal construction panel



... wall levelling over existing tile coverings 18

The task:
 Renovation of tile covering half way up the wall
The solution:
 Wall levelling over old tiles with the universal construction panel

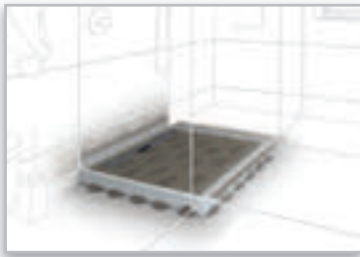
■ Floor applications



... on concrete, screed or wooden structures 20

The task:
 Compensate for uneven floors made of concrete, screed or wooden structures
The solution:
 Levelling with the universal construction panel

■ Shower bases and shower drain elements



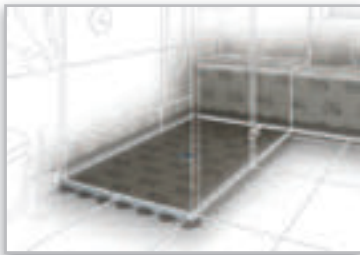
... on mineral substrates22

The task:

Installation of a flush with the floor shower on mineral substrates such as concrete or screed

The solution:

Flush with the floor shower bases with point or linear drainage with suitable drain systems



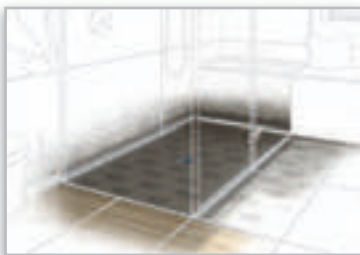
... for the substitution of bath tubs24

The task:

Renovation of a bathroom with a bath tub

The solution:

Flush with the floor shower bases in oblong size with point or linear drainage for the substitution of bath tubs



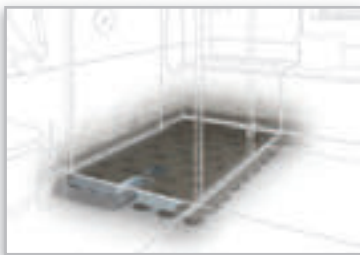
... for the use on wooden sub-constructions26

The task:

Installation of a shower in bathrooms with wooden floors

The solution:

Flat shower bases with point or linear drainage for assembly on or in wooden sub-constructions



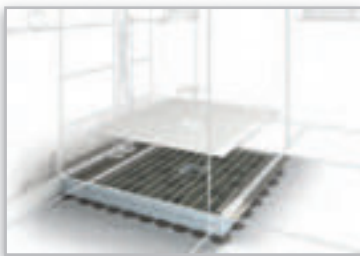
... extra-slim with integrated drain technology28

The task:

Installation of a flush with the floor shower at low screed height

The solution:

Extra-slim, flush with the floor shower bases with point or linear drainage



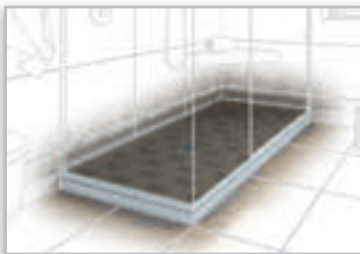
... including surface element30

The task:

Installation of a shower with jointless surface

The solution:

Flush with the floor shower bases including surface element in a set with point or linear drainage



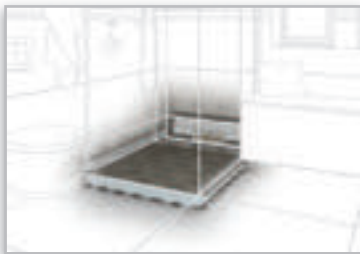
... for installation above the floor32

The task:

Installation of a shower where the drain needs to be lifted above the substrate

The solution:

Step up shower bases for installation above the floor



... with integrated wall drain34

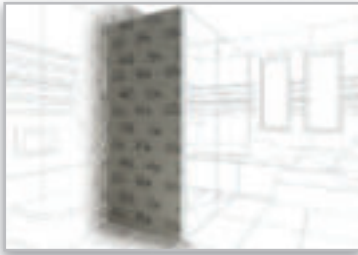
The task:

Design of a shower area with completely continuous flooring

The solution:

Shower drain elements with integrated wall drain for relocating the drain into the wall or a seat

■ Walls



... partition walls or room divider36

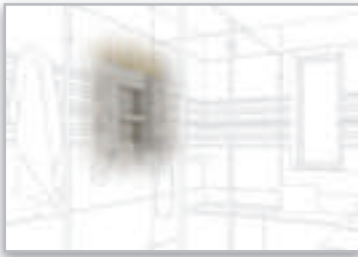
The task:

Creation of a partition wall in the shower area

The solution:

Prefabricated shower partition wall elements with optional niche milling

■ Niches



... for metal or wooden stud frame38

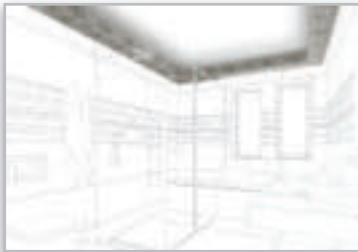
The task:

Production of shelf space combined with metal or wooden stud frame

The solution:

Prefabricated niches with or without shelf

■ Cladding elements



... for applications in corners or on straight surfaces40

The task:

Covering of visible conduits or beams

The solution:

Angular or U-shaped cladding elements for vertical or horizontal cladding



... for pre-wall installation systems42

The task:

Cladding of pre-wall installation systems, e.g. for a floating toilet

The solution:

Prefabricated elements for cladding with cutouts for the attachment of the irrigation and drainage



... for rectangular standard bath tubs44

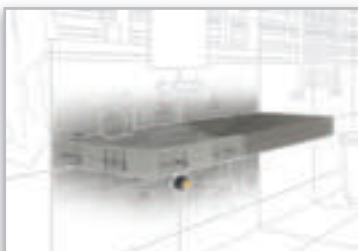
The task:

Cladding of a standard bath tub – also with ledge or footboard

The solution:

Cladding elements in different design variants suitable for every installation situation

■ Washstands



... in floating design46

The task:

Installation of a drive-under washstand with or without a recess

The solution:

Washstands in floating design with wall attachment

■ Processing



Tools and cutting techniques48

The hard foam support elements from LUX ELEMENTS are easy to process. Suitable for the processing are standard tools found in any toolbox.

- Recommended cutting techniques:
- Cutting with the cutter
 - Cutting with the angle grinder (flex)
 - Cutting with the jig saw



Adhesion50

- Techniques and system components
 - ... Full-surface adhesion – with notched or smoothing trowel
 - ... Pointwise adhesion – by means of dots
 - ... Edge adhesion



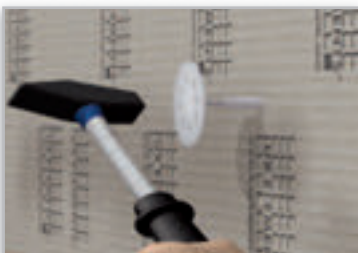
Reinforcing.....52

- Techniques and system components
 - ... Reinforcement of panel joints, transitions, corners and surfaces



Mounting53

- Techniques and system components
 - ... Bonding of hard foam support elements to one another or on walls and floors



Fixing54

- Techniques and system components
 - ... Fixing with plastic or metal hammer fix plug
 - ... Fixing with screw plugs
 - ... Fixing with screw and washer – for assembly on wood or stud frames



Sealing56

- Techniques and system components
 - ... Liquid sealing
 - ... Web-type sealing
 - ... Sealing with sealing tapes, sleeves and shaped parts
- Waterproofing in wetrooms
 - ... Connection to a shower area
 - ... Composite sealing:
 - ... Further informations



Processing tips60

- Storage and transport
- Laying and screwing
- Fixing and gluing
- Optimal edge gluing
- Easy fastening ... for light loads on tiles
- Easy fastening ... for light loads on mosaic
- Fastenings ... for higher load accommodation
- Installation of wall sockets, cable and pipe installation

Wall applications on masonry, concrete and plaster



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for application on masonry, concrete and plaster on the wall.

1 Construction panel – from ELEMENT-EL Baby 4, or ELEMENT-EL 10

2 Fixing adhesive – COL-AK

3 Hammer fix plug – FIX-FID ...
or
Plastic hammer fix plug – FIX-KSD ...

4 Mounting adhesive – COL-MK

5 Reinforcement fabric – ARM-100 SK

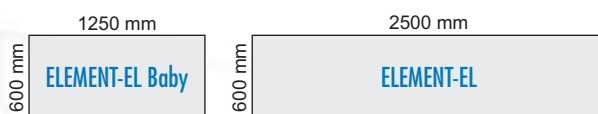
6 Sealing tape – DRY-DB...

7 Sealing filler – DRY-ASK

Optional accessories:

Cut protection tape – DRY-SB

Dimensions ELEMENT-EL



GOOD TO KNOW...!

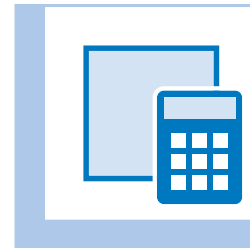
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: Construction panel
ELEMENT for wall levelling on masonry

... here is the online calculator:



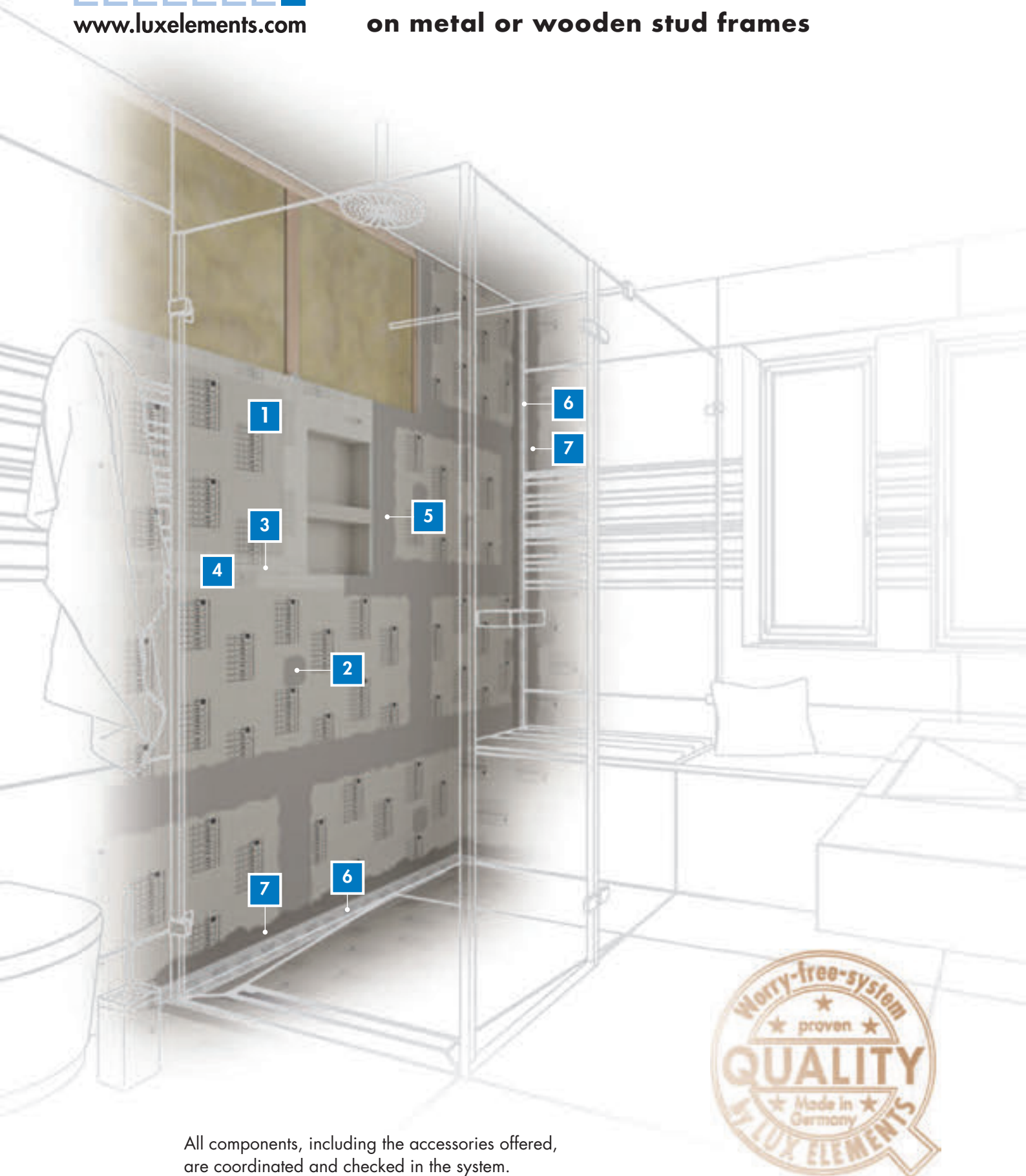
www.luxelements.com

Note:



This brochure only contains extracts from the extensive product portfolio of LUX ELEMENTS. More information on this on our homepage www.luxelements.com

Wall applications on metal or wooden stud frames



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for application on stud frames.

1 Construction panel – from ELEMENT-EL Baby 10, or ELEMENT-EL 10

2 Fastening set screw/washer – FIX-SB ...

3 Mounting adhesive – COL-MK

4 Reinforcement fabric – ARM-100 SK

5 Fixing adhesive – COL-AK

6 Sealing tape – DRY-DB...

7 Sealing filler – DRY-ASK

Optional accessories:

Cut protection tape – DRY-SB

Niche (see page 38) – RELAX-NI ...

Dimensions ELEMENT-EL



Permissible axis spacing of the substructure

Panel thickness	ELEMENT-EL 10	ELEMENT-EL 12	ELEMENT-EL 20
Axis spacing	450 mm	600 mm	625 mm

GOOD TO KNOW...!

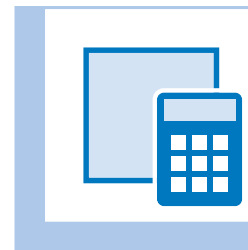
... this is how it's done:



Assembly video on
www.youtube.com/user/luxeelementscom

LUX ELEMENTS Installation: Construction panel ELEMENT on metal stud frame / wooden stud frames

... here is the online calculator:



www.luxeelements.com

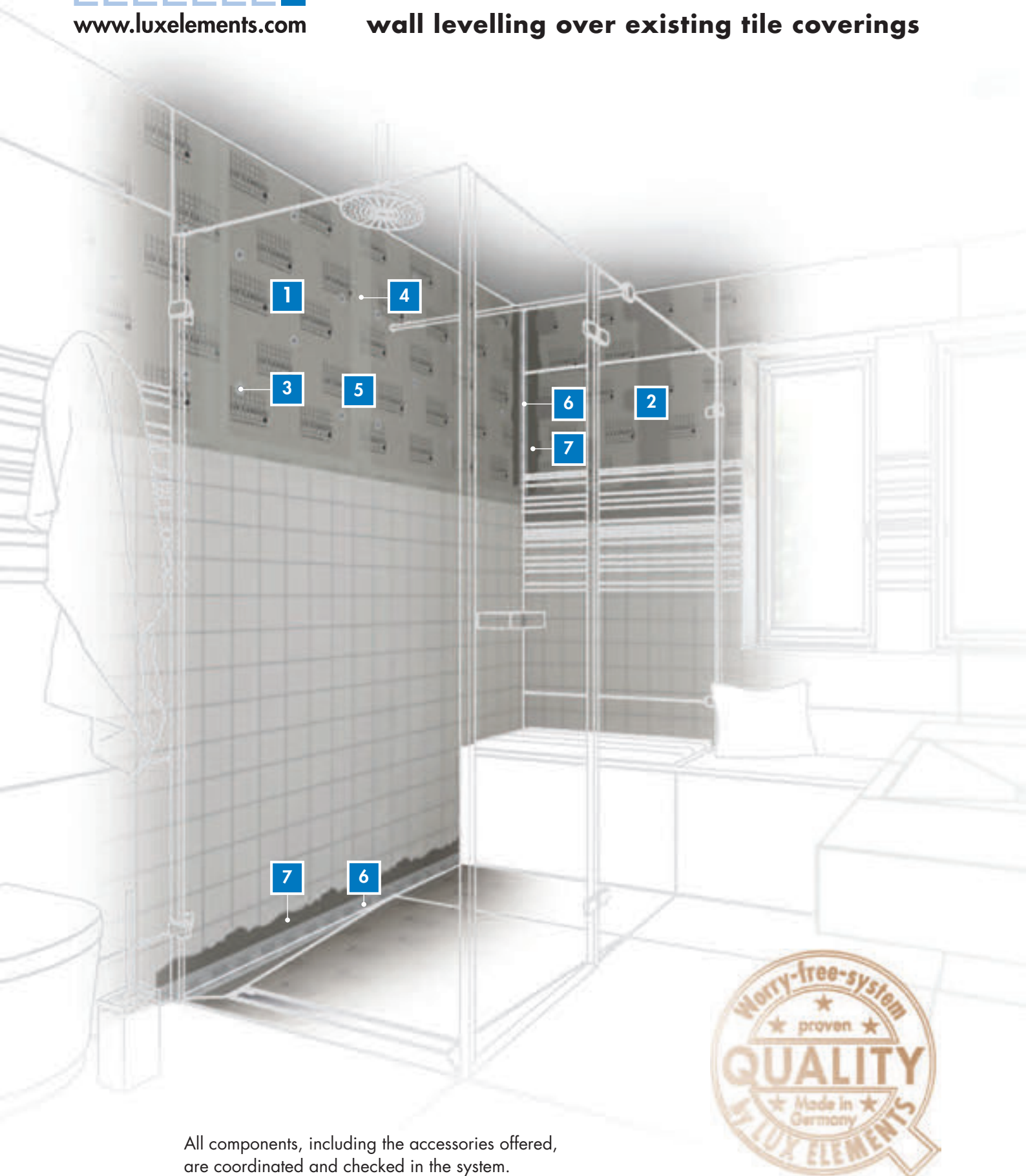
Note:



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Wall applications

wall levelling over existing tile coverings



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for wall levelling over existing tile covering.

1 Construction panel – from ELEMENT-EL Baby 4

2 Fixing adhesive – COL-AK

3 Hammer fix plug – FIX-FID ...

or

Plastic hammer fix plug – FIX-KSD ...

4 Mounting adhesive – COL-MK

5 Reinforcement fabric – ARM-100 SK

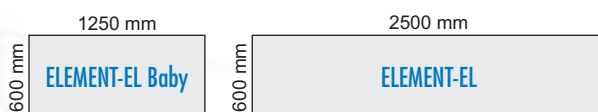
6 Sealing tape – DRY-DB...

7 Sealing filler – DRY-ASK

Optional accessories:

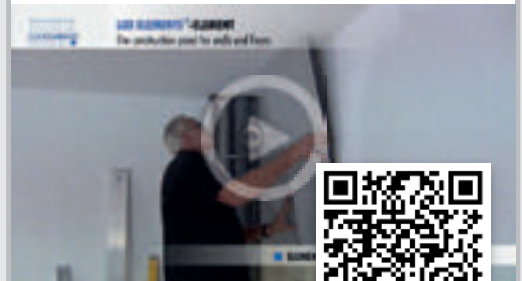
Cut protection tape – DRY-SB

Dimensions ELEMENT-EL



GOOD TO KNOW...!

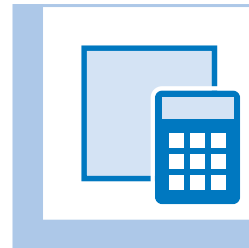
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: Construction panel ELEMENT for wall levelling over existing tile covering

... here is the online calculator:



www.luxelements.com

Note:



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Floor applications on concrete, screed or wooden structures




All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS


The products:

LUX ELEMENTS offers you these products for floor levelling.

on concrete or screed:

- 
- 1** Construction panel – from ELEMENT-EL Baby 4, or ELEMENT-EL 10
 - 2** Fixing adhesive – COL-AK
 - 3** Reinforcement fabric – ARM-100 SK
Sealing filler – DRY-ASK
- or
- Sealing film – DRY-DF
Cement powder adhesive – COL-FLEX

on wooden structures:

- 
- 1** Construction panel – ab ELEMENT-EL 10*
 - Washer and suitable screws – FIX-S 35
 - Primer – COL-HSV
 - 2** Fixing adhesive – COL-AK
 - 3** Reinforcement fabric – ARM-100 SK
Sealing filler – DRY-ASK
- or
- Sealing film – DRY-DF
Cement powder adhesive – COL-FLEX

Dimensions ELEMENT-EL



*Full-surface adhesion:
from ELEMENT-EL Baby 4 with COL-HSV and COL-AK

GOOD TO KNOW...!

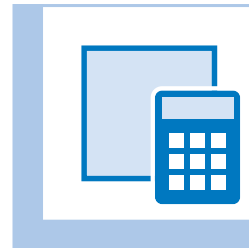
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation:
Construction panel ELEMENT on wooden floors

... here is the online calculator:



www.luxelements.com

Note:



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Flush with the floor shower bases on mineral substrates



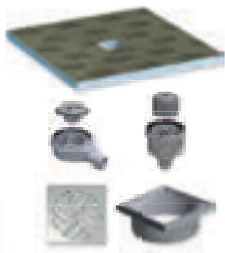
All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

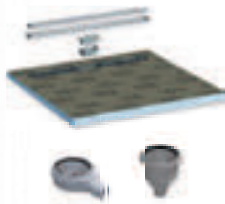
LUX ELEMENTS offers you these products for your shower area on concrete or screed.

for point drainage:



- 1** Shower base element – TUB- ...
- 2** Floor drain support [DN 50] –
TUB-BA-W [horizontal]* or TUB-BA-S [vertical]
- Grate + grate fitting frame – TUB-RA ...

for linear drainage:



- 1** Shower base element – TUB-LINE ...
- 2** Floor drain support [DN 50] –
TUB-LINE BA-W 22 [horizontal]* or TUB-LINE BA-S [vertical]

Required accessories:



- 3** Mounting kit – TUB-KIT ...
- 3.1** = Fixing adhesive – COL-AK
- 3.2** = Sealing tape – DRY-DB
- + Sealing tape (inner corner) – DRY-DBIE
- 3.3** = Sealing filler – DRY-ASK

Optional accessories:

(depending on the installation situation)



- *Substrate element – TUB-U...
- Elbow [DN 50] – TUB-BAZ HTK
- Adapter, e.g. DN 50 to British Standard – TUB-BAZ BST
- Cut protection tape – DRY-SB
- Sealing tape (inner corner) – DRY-DBIE LINE ...
for linear drainage with single-sided gradient

GOOD TO KNOW...!

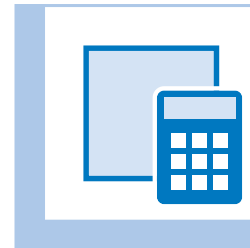
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: Flush with the floor
shower bases TUB-LINE with channel drain

... here is the online calculator:



www.luxelements.com

Note:



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extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxelements.com

Flush with the floor shower bases

for the substitution of bath tubs






All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products especially for the replacement of a bathtub with a shower base, quick and easy to shorten.


for point drainage:

-  **1** Shower base element – TUB-BOL ...
-  **2** Floor drain support [DN 50] – TUB-BA-W [horizontal]* or TUB-BA-S [vertical]
-  Grate + grate fitting frame – TUB-RA ...

for linear drainage:







-  **1** Shower base element – TUB-LINE BOL ...
-  **2** Floor drain support [DN 50] – TUB-LINE BA-W 22 [horizontal]* or TUB-LINE BA-S [vertical]

Required accessories:

-  **3** Mounting kit – TUB-KIT ...
- 3.1** = Fixing adhesive – COL-AK
- 3.2** = Sealing tape – DRY-DB
- + Sealing tape (inner corner) – DRY-DBIE
- 3.3** = Sealing filler – DRY-ASK

Optional accessories:

(depending on the installation situation)

-  *Substrate element – TUB-UBOL ...
-  Elbow [DN 50] – TUB-BAZ HTK
-  Adapter e.g. DN 50 to British Standard – TUB-BAZ BST
-  Cut protection tape – DRY-SB
-  Sealing tape (inner corner) – DRY-DBIE LINE ...
for linear drainage with single-sided gradient
-  Bench – RELAX-BA-SOLO-G ...

GOOD TO KNOW...!

... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: flush with the floor
shower bases TUB for the substitution of bathtubs

... here is the online calculator:



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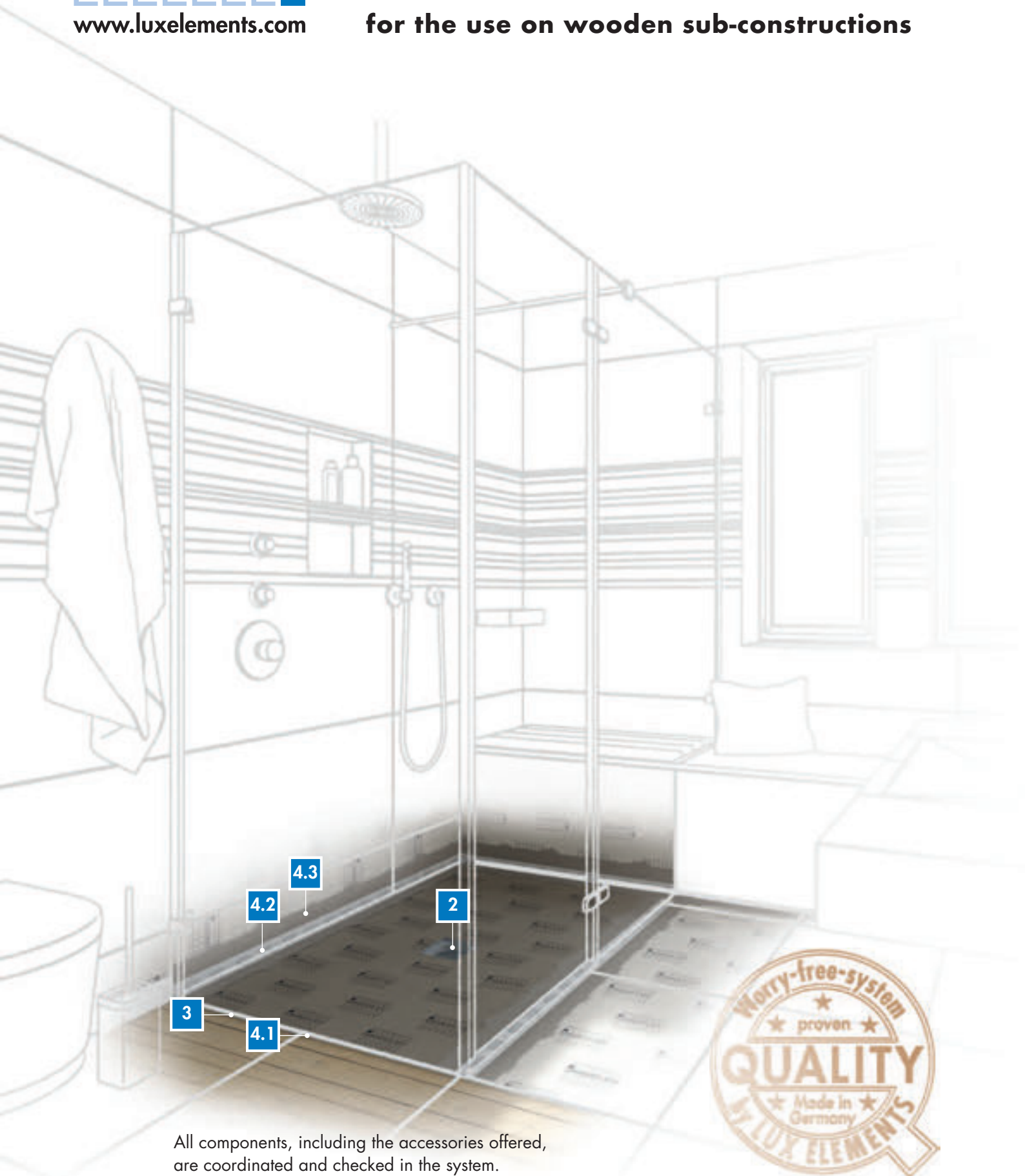
Note:



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extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxelements.com

Flush with the floor* shower bases

for the use on wooden sub-structions





All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS



The products:

LUX ELEMENTS offers you these products for the installation of a shower on wooden sub-constructions.



for point drainage:

-  **1** Shower base element – TUB-H ...
-  **2** Floor drain support [DN 50] –
TUB-BA-W [horizontal]* or TUB-BA-S [vertical]
Grate + grate fitting frame – TUB-RA ...

for linear drainage:



-  **1** Shower base element – TUB-LINE H ...
-  **2** Floor drain support [DN 50] –
TUB-LINE BA-W 22 [horizontal] or TUB-LINE BA-S [vertical]

Required accessories:

-  **3** Primer – COL-HSV
-  **4** Mounting kit – TUB-KIT ...
 - 4.1** = Fixing adhesive – COL-AK
 - 4.2** = Sealing tape – DRY-DB
 - + Sealing tape (inner corner) – DRY-DBIE
 - 4.3** = Sealing filler – DRY-ASK

Optional accessories:

(depending on the installation situation)

-  Elbow [DN 50] – TUB-BAZ HTK
-  Adapter, e.g. DN 50 to British Standard – TUB-BAZ BST
-  Cut protection tape – DRY-SB

*In order to create a level floor when not completely sinking the shower base into the wooden structure, we recommend aligning the rest of the floor with ELEMENT construction panels (depending on the installation situation – in/on the wooden floor – ELEMENT-EL 10 or ELEMENT-EL 30). See page 21 for the components required for the system construction.

GOOD TO KNOW...!

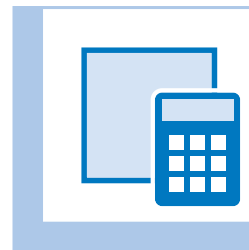
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: flush with the floor
shower bases TUB-H on wooden floors

... here is the online calculator:



www.luxelements.com

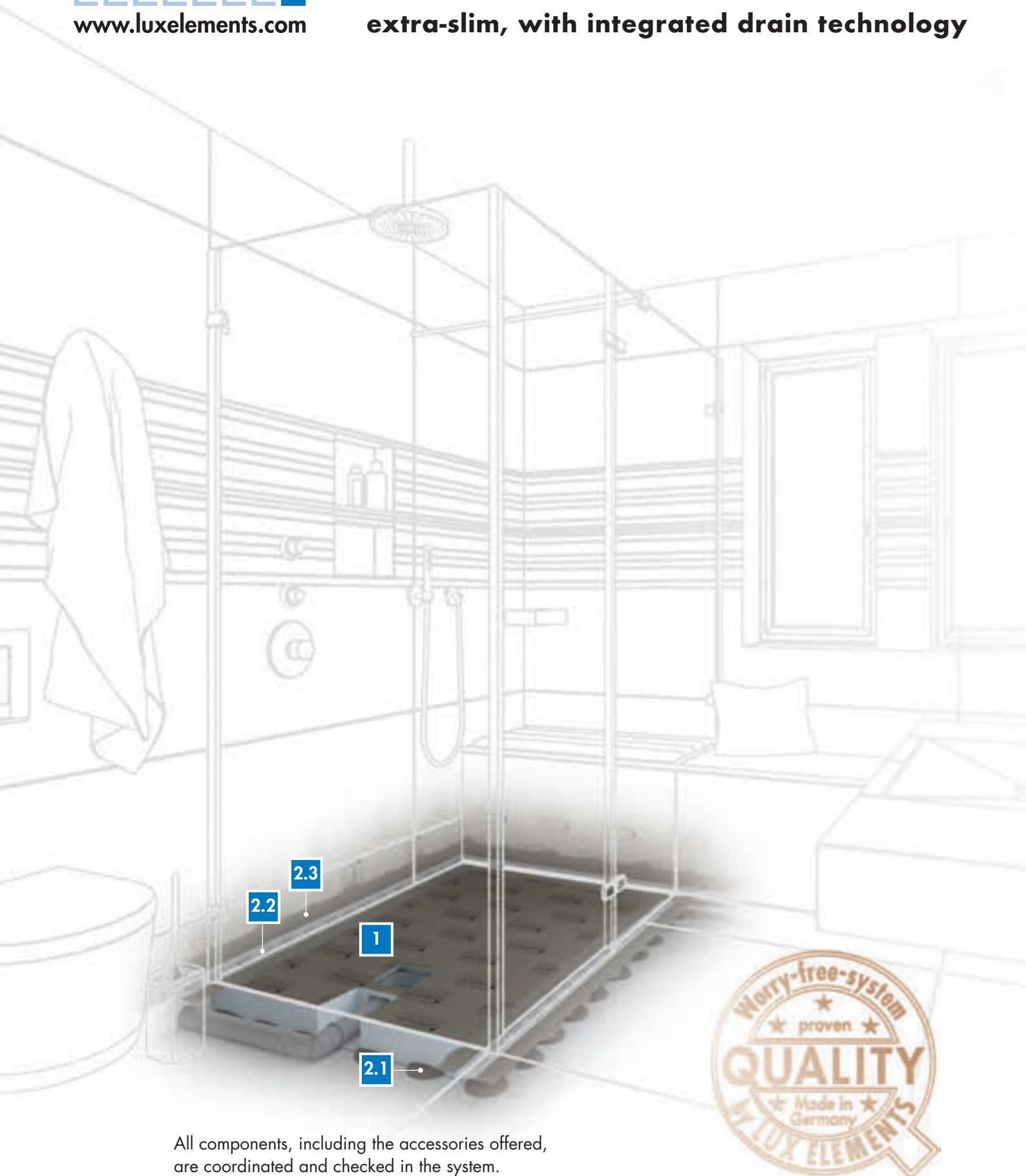
Note:



This brochure only contains extracts from the
extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxelements.com

Flush with the floor shower bases

extra-slim, with integrated drain technology



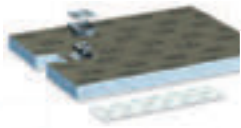
All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

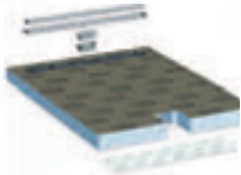
LUX ELEMENTS offers you extra-slim shower bases with integrated drain technology, for the use on concrete or screed.

for point drainage:



- 1** Shower base element – TUB-COMBI ...

for linear drainage:



- 1** Shower base element – TUB-LINE COMBI ...

Required accessories:



- 2** Mounting kit – TUB-KIT ...
- 2.1 = Fixing adhesive – COL-AK
 - 2.2 = Sealing tape – DRY-DB
 - + Sealing tape (inner corner) – DRY-DBIE
 - 2.3 = Sealing filler – DRY-ASK

Optional accessories:

(depending on the installation situation)



- Elbow [DN 50] – TUB-BAZ HTK



- Adapter, e.g. DN 50 to British Standard – TUB-BAZ BST



- Cut protection tape – DRY-SB

GOOD TO KNOW...!

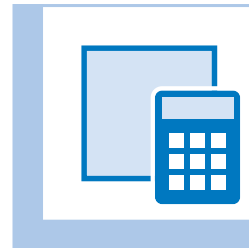
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: extra-flat shower bases
and channel support TUB-COMBI

... here is the online calculator:



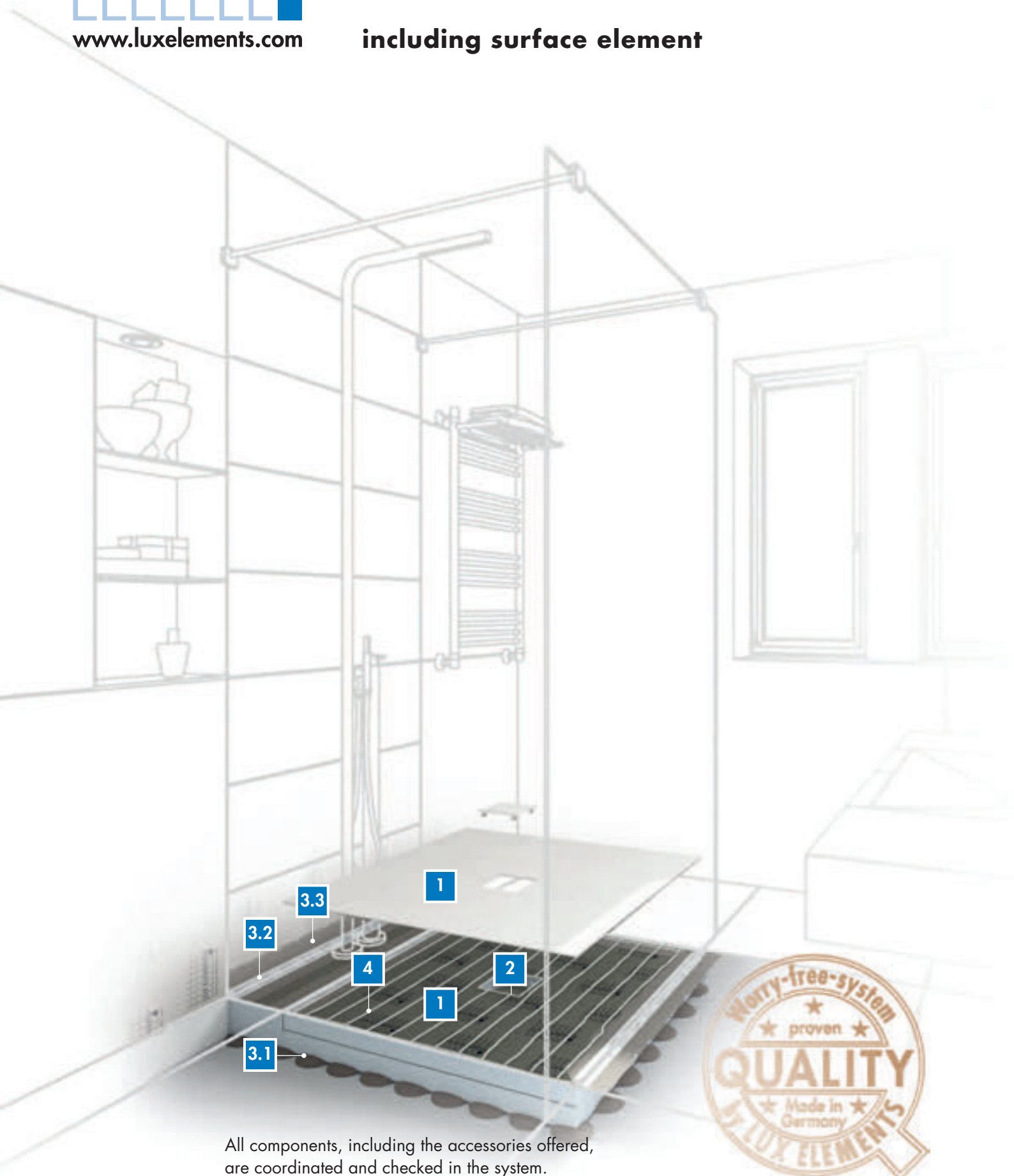
www.luxelements.com

Note:



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More information on this on our homepage
www.luxelements.com

Flush with the floor shower bases including surface element



All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for the installation of a shower base including a jointless surface element with integrated four-sided gradient.

for point drainage:



- 1** Shower base element — TUB-FW ...
including surface element and grate



- 2** Floor drain support [DN 50] —
TUB-BA-W [horizontal]*, TUB-BA-S [vertical]

for linear drainage:



- 1** Shower base element — TUB-LINE FW ...
including surface element and cover rail



- 2** Floor drain support [DN 50] —
TUB-LINE BA-W 22 [horizontal]* oder TUB-LINE BA-S [vertical]

Required accessories:



- 3** Mounting kit — TUB-KIT ...

- 3.1** = Fixing adhesive — COL-AK
3.2 = Sealing tape — DRY-DB
+ Sealing tape (inner corner) — DRY-DBIE
3.3 = Sealing filler — DRY-ASK

- 4** Mounting adhesive — COL-MK

Optional accessories:

(depending on the installation situation)

- *Substrate element — TUB-U...



- Elbow [DN 50] — TUB-BAZ HTK



- Adapter, e.g. DN 50 to British Standard — TUB-BAZ BST



- Cut protection tape — DRY-SB

GOOD TO KNOW...!

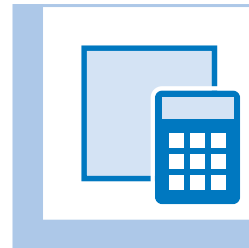
... this is how it's done:



Assembly video on
www.youtube.com/user/luxeelementscom

LUX ELEMENTS Installation:
set with shower base element and surface element
TUB-FINISH, part 2

... here is the online calculator:



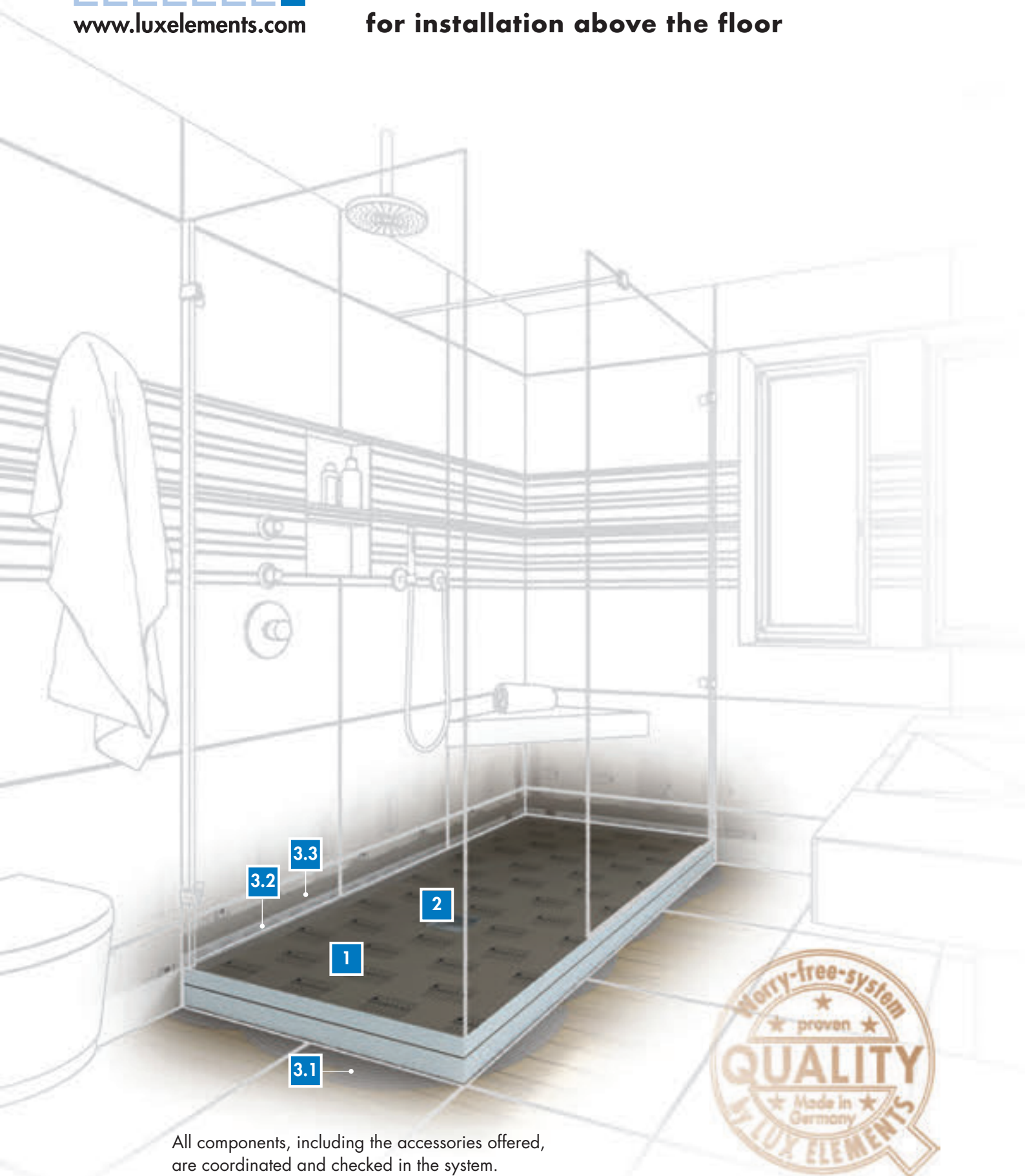
www.luxeelements.com

Note:



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extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxeelements.com

Step up* shower bases for installation above the floor






All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS



The products:

LUX ELEMENTS offers you these products to install shower bases above the floor.

for point drainage:

-  **1** Shower base element – TUB- ...
-  **2** Floor drain support [DN 50] –
TUB-BA-W [horizontal]* or TUB-BA-S [vertical]
-  Grate + grate fitting frame – TUB-RA ...

for linear drainage:

-  **1** Shower base element – TUB-LINE ...
-  **2** Floor drain support [DN 50] –
TUB-LINE BA-W 22 [horizontal]* or TUB-LINE BA-S [vertical]

Required accessories:

-  **3** Mounting kit – TUB-KIT ...
- 3.1** = Fixing adhesive – COL-AK
- 3.2** = Sealing tape – DRY-DB
- + Sealing tape (inner corner) – DRY-DBIE
- 3.3** = Sealing filler – DRY-ASK

Optional accessories:

(depending on the installation situation)

-  Substrate element – TUB-U...
-  Primer – COL-HSV
-  Elbow [DN 50] – TUB-BAZ HTK
-  Adapter, e.g. DN 50 to British Standard – TUB-BAZ BST
-  Cut protection tape – DRY-SB
-  Sealing tape (inner corner) – DRY-DBIE LINE ...
for linear drainage with single-sided gradient

*A variety of shower bases that can be installed on the floor are suitable for a "step-up solution". The installation height varies depending on the installation situation and the use of a substrate element.

GOOD TO KNOW...!

... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: Flush with the floor
shower bases for the use on wooden floors

... here is the online calculator:



Note:



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extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxelements.com

Shower drain element with integrated wall drain



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for the installation of a shower with an integrated wall drain for continuous flooring.



- 1** Shower drain element with integrated wall drain and tileable stainless steel cover – TUB-WALL ...

Required accessories:



- 2** Mounting kit – TUB-KIT ...
- 2.1 = Fixing adhesive – COL-AK
 - 2.2 = Sealing tape – DRY-DB
 - + Sealing tape (inner corner) – DRY-DBIE
 - 2.3 = Sealing filler – DRY-ASK

Optional accessories:

(depending on the installation situation)



- Gradient element – TUB-LINE COMBI GK ...



- Bench – RELAX-BA-SOLO-G-W 900



- Elbow [DN 50] – TUB-BAZ HTK



- Adapter, e.g. DN 50 to British Standard – TUB-BAZ BST



- Cut protection tape – DRY-SB

GOOD TO KNOW...!

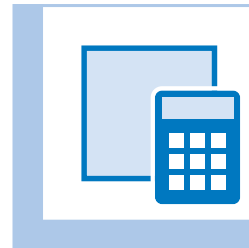
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: Hard foam shower drain element TUB-WALL with integrated wall drain

... here is the online calculator:



www.luxelements.com

Note:



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Walls

... partition walls or room divider



All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for the installation of a partition wall, e.g. as a shower partition.

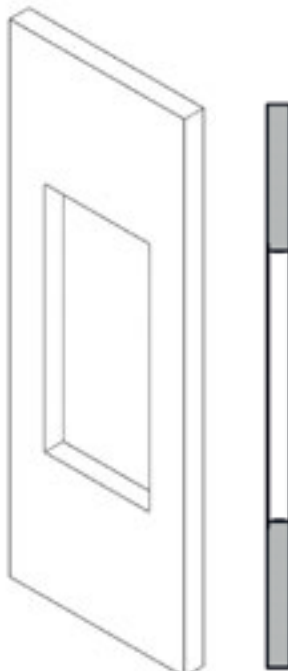
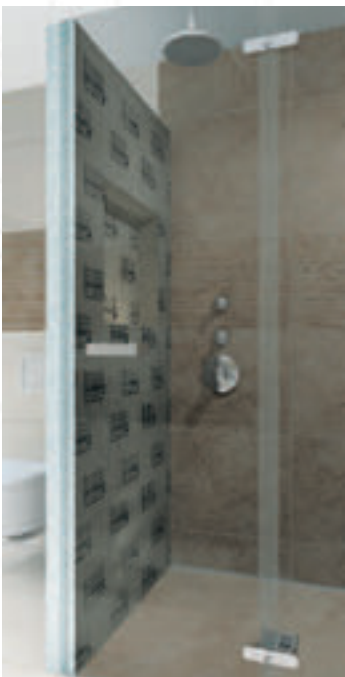


1 Partition wall element – RELAX-TW...

2 Mounting adhesive – COL-MK

Optional surcharge:

individual niche milling – RELAX-TW NI



GOOD TO KNOW...!

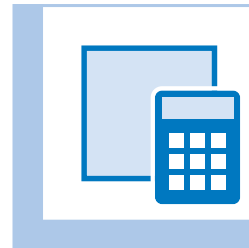
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: The construction panel ELEMENT as partition wall or room divider

... here is the online calculator:



www.luxelements.com

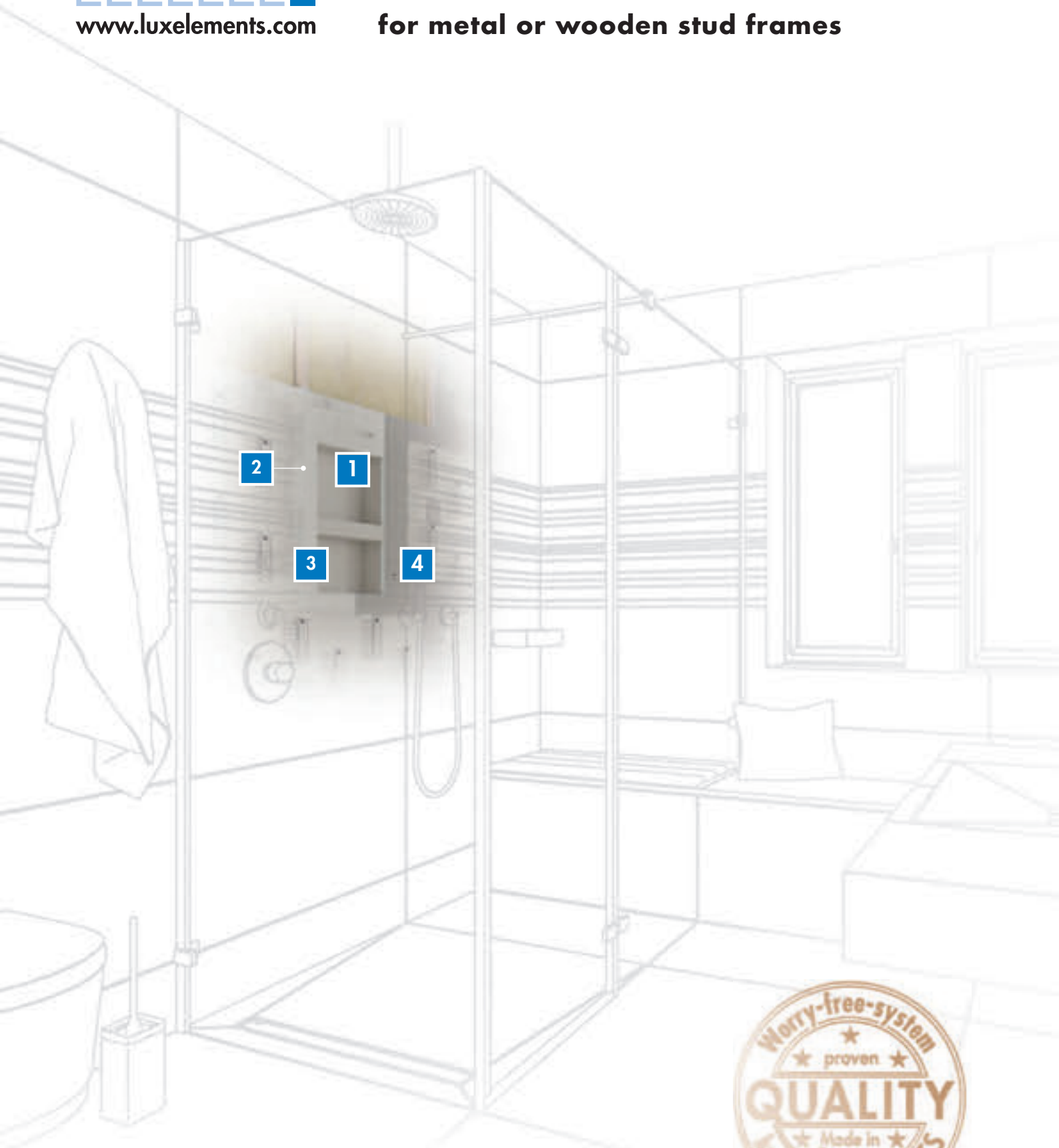
Note:



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Niches

for metal or wooden stud frames



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for the installation of niches with or without shelf in stud frames.

- 1** Niche – RELAX-NI ...
- 2** Mounting adhesive – COL-MK
- 3** Reinforcement fabric – ARM-100 SK
- 4** Fixing adhesive – COL-AK

Optional accessories:

(depending on the installation situation)

Light strip/light rope – RELAX-NI-LI
warm white, incl. hard foam support element
with milling for on-site installation

Power supply unit – CONCEPT-LL-N30

GOOD TO KNOW...!

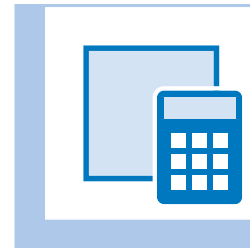
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: prefabricated niches
RELAX-NI for integration into the wall

... here is the online calculator:



www.luxelements.com

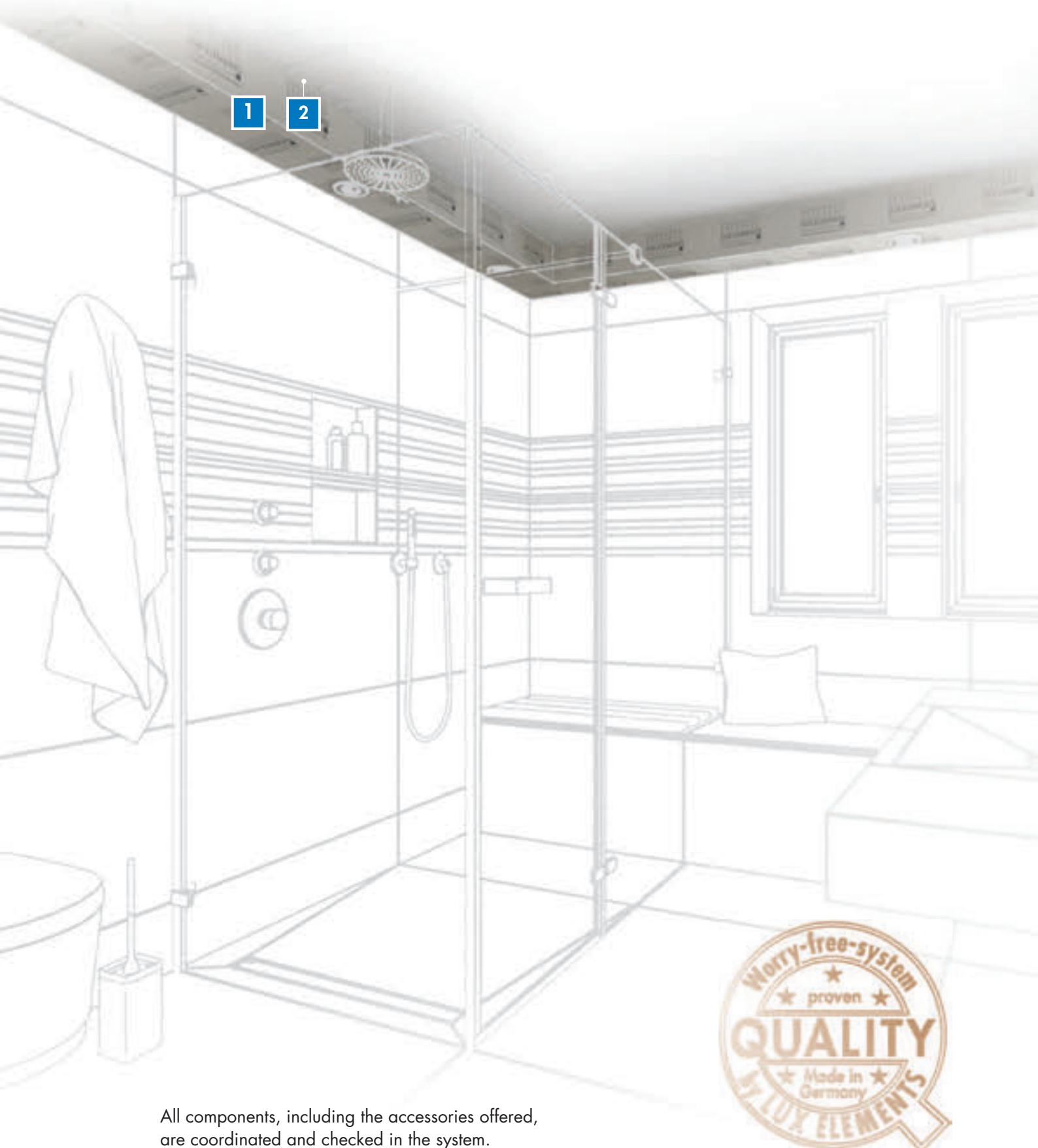
Note:



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extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxelements.com

Cladding elements

**... for application in corners
or on straight surfaces**



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for cladding of

- **Conduits and pipes**
- **Joists**
- **Girders and beams**
- **Columns**

1 Pipe cladding element angular — TEC-KA ...

or

Pipe cladding element U-shaped — TEC-U 20 BS

2 Mounting adhesive — COL-MK

GOOD TO KNOW...!

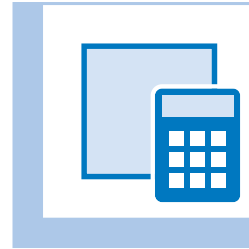
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation:
TEC pipe cladding for tiles or plaster

... here is the online calculator:



www.luxelements.com

Note:



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Cladding elements ...for pre-wall installation systems



All components, including the accessories offered, are coordinated and checked in the system.



LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for cladding of pre-wall installation systems.



- 1** Installation kit — TEC-VWD
for the cladding of pre-wall installation systems
incl. mounting accessories

as alternative:

- Prefabricated element — TEC-VWD-P
for cladding of pre-wall installation systems

- Mounting adhesive — COL-MK

- Fastening set — FIX-SB 45S35
screw/washer

GOOD TO KNOW...!

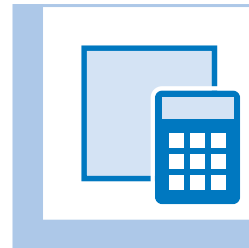
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation:
Cladding of wall-mounted constructions TEC-VWD

... here is the online calculator:



www.luxelements.com

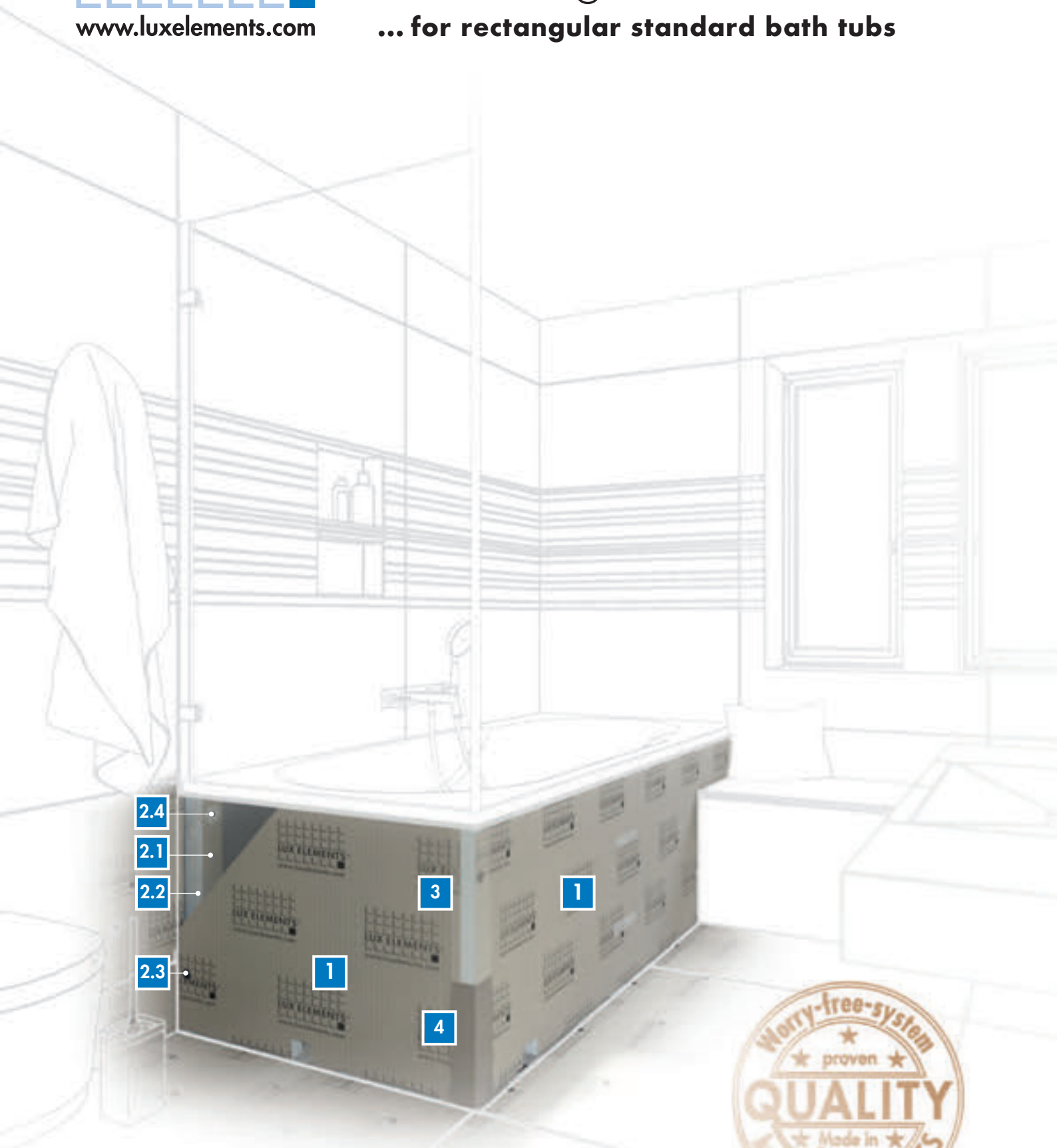
Note:



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Cladding elements

... for rectangular standard bath tubs



All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for cladding of rectangular standard bath tubs in different design variants, suitable for all installation situations.



1 Surround for bath tubs* — TOP-TR ...



2 Mounting set — TOP-KIT
 2.1 = Rabbets — ELEMENT-EL 50
 2.2 = Mounting adhesive — COL-MK
 2.3 = Screw plug — FIX-SD 80
 2.4 = Hammer fix plug — FIX-FID 110



3 Reinforcement fabric — ARM-100 SK



4 Fixing adhesive — COL-AK

Optional accessories:



Mounting aid — MONT-TOPREV
 for maintenance openings



Cut protection tape — DRY-SB



Light rope — CONCEPT-LL-F...



* Depending on the installation situation as many as 4 elements are needed

GOOD TO KNOW...!

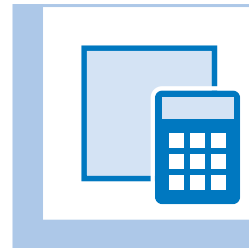
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation: Bath tub surrounds
 TOP-TR for rectangular bath tubs

... here is the online calculator:



www.luxelements.com

Note:



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Washstands

...in floating design



All components, including the accessories offered, are coordinated and checked in the system.

LUX ELEMENTS

The products:

LUX ELEMENTS offers you these products for the installation of floating washstands with or without recess.

1 Washstand – LAVADO-FLOAT ...

System components LAVADO-FLOAT G/Z/E/R
incl. 1 cartridge mounting adhesive COL-MK
and 2 stainless steel brackets 450 mm in length

System components LAVADO-FLOAT L
with cover rail and tiling aid made of brushed stainless steel,
including clip-on drainage adapter for drain pipe 1 ¼",
incl. 1 cartridge mounting adhesive COL-MK
and 2 stainless steel brackets 450 mm in length

Required accessories:

2 Sealing filler – DRY-ASK

Optional accessories:

Light rope – CONCEPT-LL-F...



GOOD TO KNOW...!

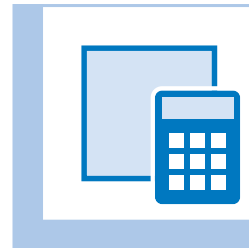
... this is how it's done:



Assembly video on
www.youtube.com/user/luxelementscom

LUX ELEMENTS Installation:
Washstand LAVADO in floating design

... here is the online calculator:



www.luxelements.com

Note:



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extensive product portfolio of LUX ELEMENTS.
More information on this on our homepage
www.luxelements.com

Processing

The most important tools

The hard foam support elements from LUX ELEMENTS are easy to process. Suitable for the processing are standard tools found in any toolbox.

Cuts and notches

- Cutter suitable for EL 4 to EL 200
- Angle grinder with diamond wheel suitable for EL 4 to EL 50
- Jig saw, serrated saw blade (e.g. type Bosch T31 3AW HCS) suitable for EL 4 to EL 100
- 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



Processing

Recommended cutting techniques

Cutting with the cutter – suitable for material thickness 4 to 20 mm



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). For thicker panels from 6 mm to 20 mm, 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



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.

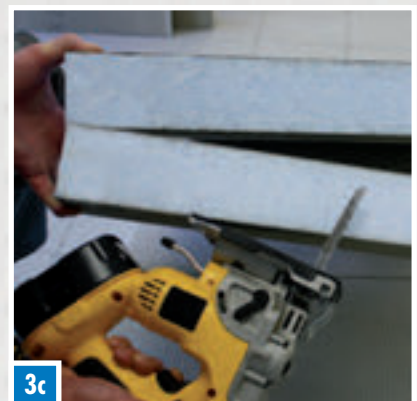
Cutting with the jig saw – suitable for material thickness 4 to 100 mm



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).

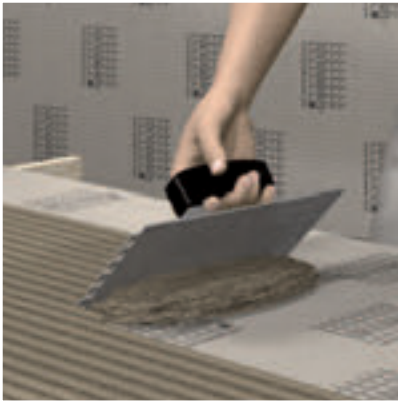


3c
Thick panels up to 100 mm can be cleanly cut using this technique. The jig saw is also particularly suitable for cutting contours and curves.

Processing

Adhesion – techniques

Full-surface adhesion – with notched or smoothing trowel



Full-surface application of fixing adhesive COL-AK with the notched trowel for wall and floor applications.

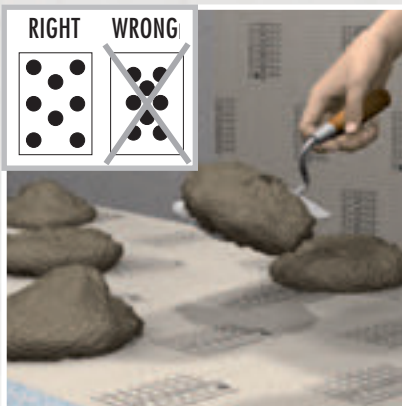


The application of fixing adhesive COL-AK with a smoothing trowel is recommended e.g. as a contact layer

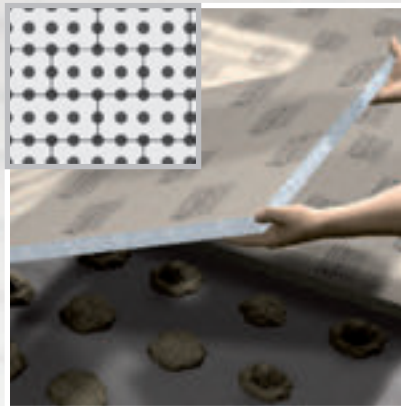


Tile laying using the thin-bed method. Apply tile adhesive COL-FLEX over the full surface using a notched trowel.

Pointwise adhesion – by means of dots



Wall application from ELEMENT-EL 6: For height compensation in case of uneven substrates, apply the fixing adhesive COL-AK pointwise using dots of adhesive (8–10 dots per m²) auftragen.



Floor application from ELEMENT-EL 30: dot spacing COL-AK (25 – 36 dots per m²) approx. 20 cm. Place panels in bond onto the adhesive and press on (cross joints not allowed!).

Edge adhesion – by means of fixing adhesive



To bond the edges, e.g. for joints, apply the fixing adhesive COL-AK with a bricklayer's trowel.

PROFESSIONAL BATHROOM CONSTRUCTION

Secure. Fast. Individual.

Edge adhesion – by means of mounting adhesive



When applying mounting adhesive COL-MK, snake-shaped application is recommended, not only for hard foam support elements but also for metal, wood, wooden materials, stone, ceramics and plastic.



In case of stud frame applications the ELEMENT construction panels are glued together with mounting adhesive COL-MK. Apply the adhesive to the plate edges as an uninterrupted strand.

Primer



As a preliminary wash primer for smooth, sealed or absorbing substrates a dispersion-free primer using COL-HSV is recommended.

LUX ELEMENTS®-System components

Adhesives – COL

LUX ELEMENTS®-COL are adhesives and primers for attaching, laying, bonding, gluing and mounting of LUX ELEMENTS® hard foam support elements:



■ **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 and waterproof.



■ **LUX ELEMENTS®-COL-FLEX –**
Bonding mortar
COL-FLEX is a flexible cement powder adhesive and is used in particular for laying onto LUX ELEMENTS® hard foam support elements, alternative seals (DRY-ASK) or substrates where stresses are a possibility.



■ **LUX ELEMENTS®-COL-MK –**
Mounting adhesive
COL-MK is a moisture-curing, 1-component adhesive on an STP polymer basis for the gluing of LUX ELEMENTS® hard foam support elements. Furthermore, COL-MK adheres to various substrates such as metals, wood materials, ceramics, glass and other building materials.

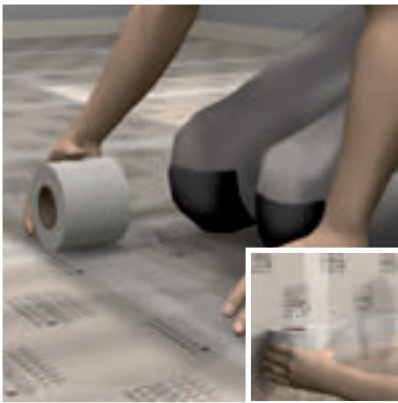


■ **LUX ELEMENTS®-COL-HSV**
Primer
Solvent-free dispersion primer, primarily suitable for wooden substrates and for pretreatment of highly absorbent substrates.

Processing

Reinforcing – techniques

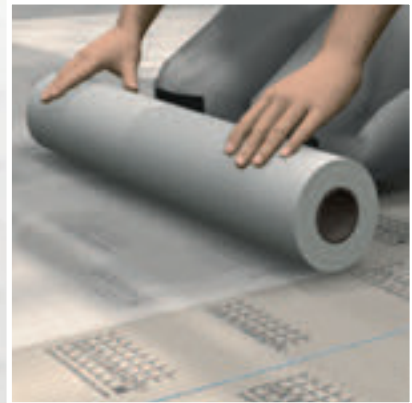
Reinforcement of panel joints, transitions, corners and surfaces



All element joints on the wall and floor must be reinforced with self-adhesive, narrow reinforcement strips ARM-100 SK and then levelled out with fixing adhesive COL-AK.



Slightly broader, self-adhesive reinforcement strips ARM-150 SK or ARM-250 SK are used for the reinforcement of corners and then levelled out with fixing adhesive COL-AK.



A particularly broad reinforcement fabric ARM-600, that is embedded on the surface and then levelled out with fixing adhesive COL-AK is suitable for use on floors and larger surfaces.

LUX ELEMENTS®-System components

Reinforcement fabric – ARM

LUX ELEMENTS®-ARM are reinforcement fabrics for board joints, transitions, surfaces and corners in various widths.



■ **LUX ELEMENTS®-ARM-100 SK**
Reinforcement fabrics for transitions and board joints
self-adhesive, 100 mm broad



■ **LUX ELEMENTS®-ARM-150 SK**
Reinforcement fabrics for corners
self-adhesive, 150 mm broad



■ **LUX ELEMENTS®-ARM-250 SK**
Reinforcement fabrics for corners
self-adhesive, 250 mm broad



■ **LUX ELEMENTS®-ARM-600**
Reinforcement fabrics for surfaces
600 mm broad

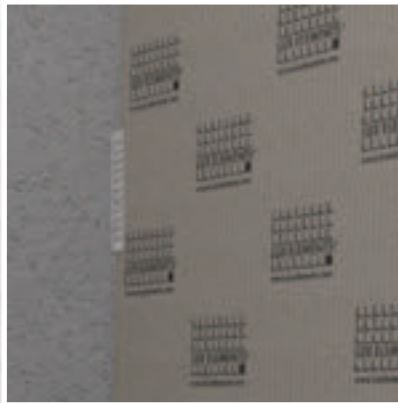
Processing

Mounting – techniques

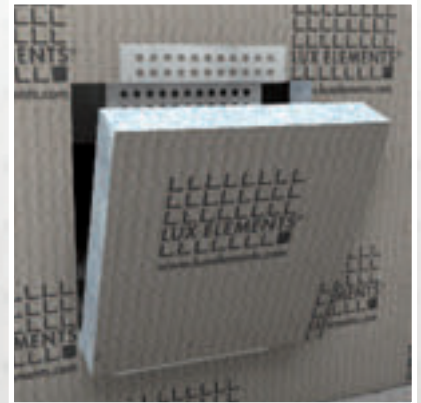
Bonding of hard foam support elements to one another or on walls and floors



Mounting aid MONT-H for the bonding of hard foam support elements to one another e.g. for the extension of walls.



Mounting aid MONT-UNI facilitates the installation of hard foam support elements on the floor, even for installation around corners.



Special mounting profiles MONT-TOPREV facilitate the insertion of maintenance openings for whirlpools and bath tubs.

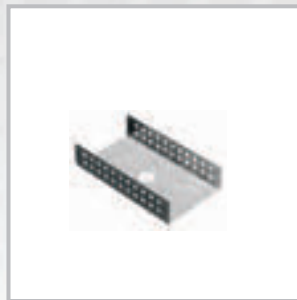
LUX ELEMENTS®-System components

Mounting aids – MONT

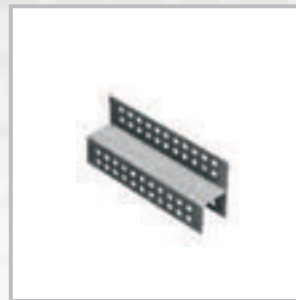
LUX ELEMENTS®-MONT-H und MONT-UNI for screwing or for using adhesive help in connecting LUX ELEMENTS® hard foam support elements one to another or to walls and floors.



■ LUX ELEMENTS®-MONT-H
Mounting aid
for material thickness 50/80 mm, connecting
hard foam support elements



■ LUX ELEMENTS®-MONT-UNI
Mounting aid
for material thickness 50/80 mm, U-shape,
wall and floor connection



■ LUX ELEMENTS®-MONT-TOPREV
Mounting aid
for maintenance openings for bath tubs
consisting of 2 parts for top and bottom.



Processing

Fixing – techniques

Fixing with plastic or metal hammer fix plugs



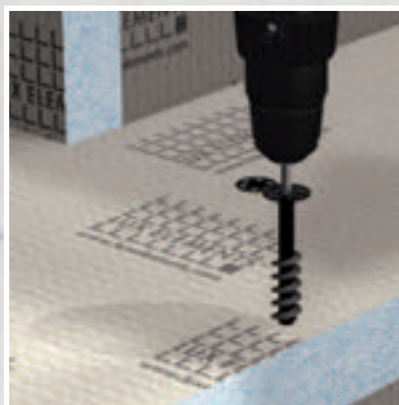
Plastic hammer fix plugs FIX-KSD serve for the connection of hard foam support elements to walls in damp and wet areas.



Metal hammer fix plugs FIX-FID are suitable for longer anchorage depths in wall mounting.



Fixing with screw plugs



Plastic screw plugs FIX-SD enable the connection of hard foam support elements to one another.

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Fixing with **screw and washer** – for assembly on wood or stud frames



Hard foam support elements are screwed to wooden floors using suitable screws and corresponding washers FIX-S.



Fastening sets with screws and washers FIX-SB are suitable for the assembly of hard foam support elements on stud frames.



Different fastening sets are used depending on the type of stud frame – wood or metal.

LUX ELEMENTS®-System components

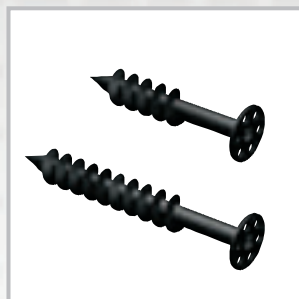
Fastening sets and dowels – FIX

LUX ELEMENTS®-FIX are fastening sets/aids and dowels for LUX ELEMENTS® hard foam support elements.

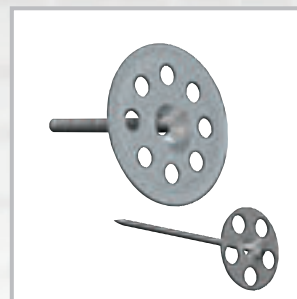


■ **LUX ELEMENTS®-FIX-KSD**
Plastic hammer fixing plug
for fixing hard foam support elements to an interior wall.

■ **LUX ELEMENTS®-FIX-FID**
Hammer fix plug

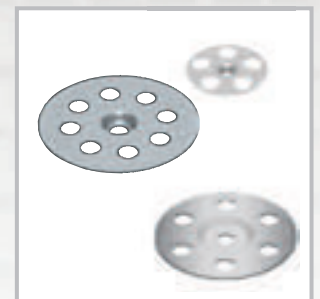


■ **LUX ELEMENTS®-FIX-SD**
Special screw plug
for connecting hard foam support elements.



■ **LUX ELEMENTS®-FIX-HS 80S70**
Screw with washer
for wooden substrate

■ **LUX ELEMENTS®-FIX-SB**
Screw and washer fastening set
for the installation on supports.



■ **LUX ELEMENTS®-FIX-S**
Washer
galvanised or stainless steel

Processing

Sealing – techniques

Liquid sealing



Liquid sealing compounds DRY-ASK applied with a smoothing trowel are recommended for sealing hard foam support elements.

Web-type sealing



A common method of surface sealing on floors or walls is the embedding of a thin, tear resistant special fleece DRY-DF in bonding mortar COL-FLEX. The joints are sealed with DRY-ASK.



LUX ELEMENTS®-System components

Sealing filler and sealing tapes – DRY



■ **LUX ELEMENTS®-DRY-ASK**
Filling wall and floor surfaces
Single-component, water-impermeable, crack-bridging and flexible sealing compound and is particularly suitable for sealing LUX ELEMENTS® hard foam support elements.



■ **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-DBIE**
Forming inner corners
■ **LUX ELEMENTS®-DRY-DBAE**
Forming outer corners

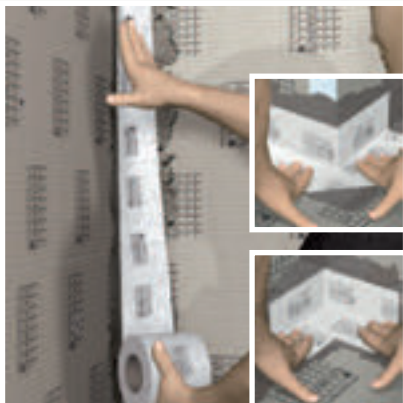


■ **LUX ELEMENTS®-DRY-DBIE LINE L**
Forming inner corners
left, for TUB-LINE mit einseitigem Gefälle
■ **LUX ELEMENTS®-DRY-DBIE LINE R**
Forming inner corners
right, for TUB-LINE with single-sided gradient

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Sealing with sealing tapes, sleeves and shaped parts



Transitions on walls and floors can be sealed using sealing tapes DRY-DB as well as shaped parts DRY-DBIE/AE for inner and outer corners.



The reliable sealing of pipe penetrations takes place using shaped parts DRY-DBWM having a pre-fabricated hole for the pipe. Sealing sleeves with expansion zones in the middle DRY-DBDZM are the ideal solution for sealing pipe penetrations in permanently installed construction stoppers.

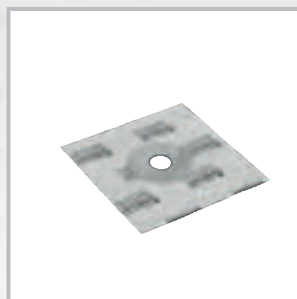


A self-adhesive, fixed-edge double-fabric tape with cut-resistant effect DRY-SB can be used for the protection of the seal when renewing the permanently elastic service joint.

LUX ELEMENTS®-DRY are sealing tapes, films and fillers suitable for sealing purposes.



■ **LUX ELEMENTS®-DRY-DBWM**
Sealing pipe ducts
Wall sleeves for the sealing of pipe ducts.



■ **LUX ELEMENTS®-DRY-DBDZM –**
Expansion zone sleeve
On PU basis. Two different sizes having a central expansion zone to enable pipes of different external diameters to be sealed. Installation in combination with DRY-ASK.



■ **LUX ELEMENTS®-DRY-DF**
Sealing film for surfaces
Extremely thin, tear-resistant special tissue for sealing and suitable for laminar, alternative seals on floors and walls. The DRY-DB and DRY-ASK system components complete the sealing at transitions, corner etc.



■ **LUX ELEMENTS®-DRY-SB**
Cut protection tape
Self-adhesive, fixed-edge double-fabric tape with cut-resistant effect for the protection of the seal when renewing the permanently elastic service joint (e.g. silicone).

Waterproofing in wetrooms

Connection to a shower area

All from one source:

LUX ELEMENTS offers all components for the entire shower area: starting from the construction panel for wall and floor installation over the shower base through to all required sealing materials for the transitions. All in all, this results in a perfectly coordinated and tested system.

- **High degree of safety**
 European Technical Approval (ETA) according to ETAG 022
- **Construction and sealing in one**
 Saves additional work steps
- **Protection of the building fabric**
 Underlying masonry is protected



Composite sealing

Since coverings made of tiles, natural or concrete stone with cementitious joints are not waterproof, a sealing in conjunction is necessary in order to avoid damage to the building fabric.

Today we differentiate between three different types of composite sealing:

Liquid sealings



Web-type sealings

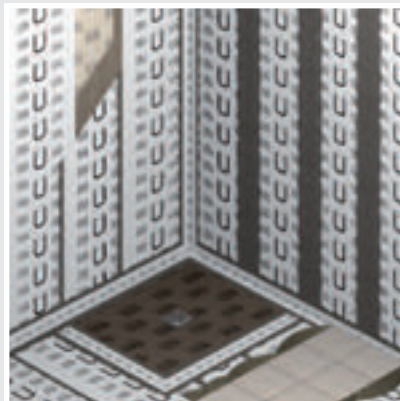
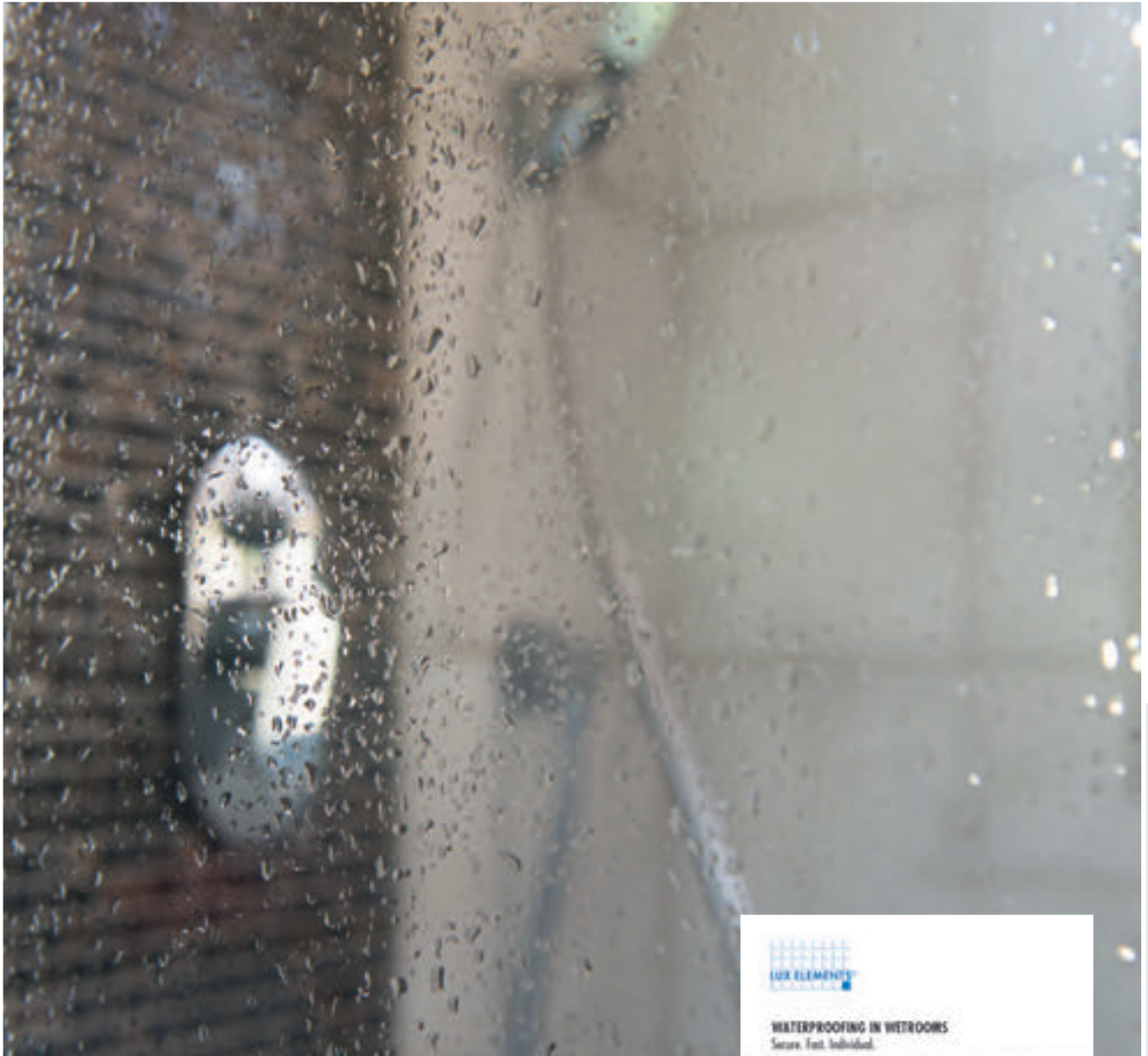


Plate-type sealings



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Please observe the approvals for our products in accordance with the national directives. These are constantly being extended. You can view the current status of all documents applicable for your country under "Downloads" at www.luxelements.com or simply contact us.

There you will also find our brochure "**Waterproofing in wetrooms**" with further information on the composite sealings from LUX ELEMENTS.





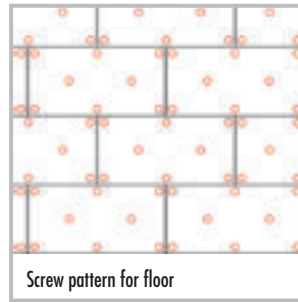
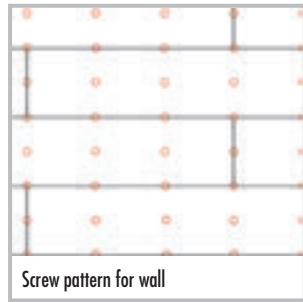
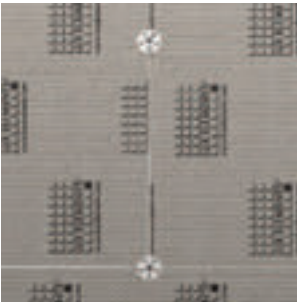
For further information
visit www.luxelements.com.

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



The ELEMENT construction panels are laid in-groups; diagonal joints are not allowed.

Fixing and gluing

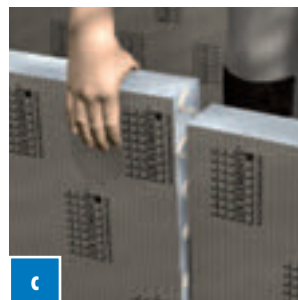
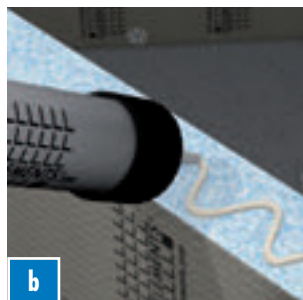


Before applying the adhesive in dots, pre-pierce the holes for the dowels with a cross slot screwdriver.



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

Optimal edge gluing

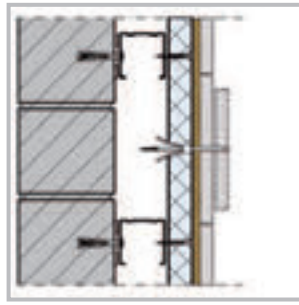


If an absolutely even gluing surface is required, the edges of the hard foam support element should first be ground. For this, use an emery board.

Hard foam support elements are glued to one another using COL-MK. The adhesive is applied in a snake-shaped pattern to the edges of the panels.

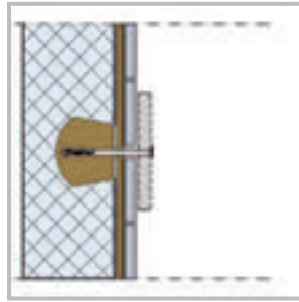
To achieve optimal adhesive distribution, the construction panels are rubbed against one another slightly when placed together.

Easy fastening – for light loads on tiles



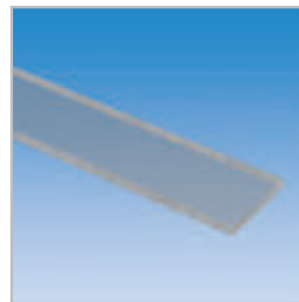
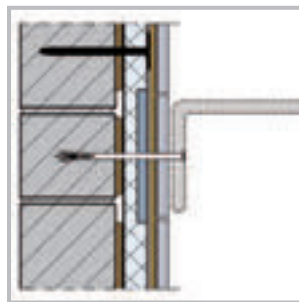
e.g. for a combination stud frame/tile
Drilling the tile for the use of a suitable cavity dowel.

Easy fastening – for light loads on mosaic



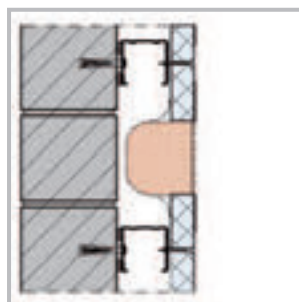
e.g. for a combination of full material/mosaic
Cut the hard foam support material with a cutter, scratch out the hard foam, fill with COL-AK, anchor the mounting set later in COL-AK.

Fastenings – for higher load accommodation

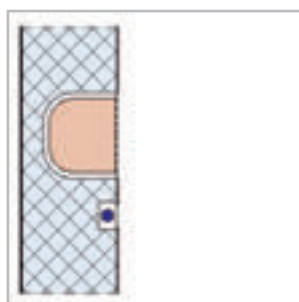


e.g. combination of solid material with FIX-PRO-MAK
Hard plastic insert, which is glued onto the hard foam orembedded into it.

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 lead) in solid material
Cut in parallel into the hard foam support material. Depending on the size and length of the hard foam supportelements, 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 COL-AK.



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LUX ELEMENTS as partner

Our competence for your project

- **Decades of experience**
in the manufacture and processing of hard foam support elements
- **Modern flexible production methods**
in our own production plants
- **Individual production**
of your components as individual or series products
- **High level of technical expertise**
owing to our own development department
- **International team**
with multilingual contacts
- **Professional advice**
by experienced employees
- **Quality control from the start**
through entirely in-house production
- **Certified quality management**





My LUX ELEMENTS partner dealer:

Bathroom Construction - EN-02/2020 - PROSS316 - We reserve the right to make technical changes.

(D)

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