

**LUX ELEMENTS®-TUB-U S 90 bonded levelling compound**

**Product Description**

LUX ELEMENTS®-TUB-U S 90 is a bonded levelling compound made of a cementitious binder and 100 % recycled EPS granulate for the manufacture of a substructure for TUB shower base elements when the substrate is uneven.

**Applications**

LUX ELEMENTS®-TUB-U S 90 can be used wherever a substructure is required under a TUB shower base element, especially in places where a standard substrate element cannot be used without considerable effort. This can be, for example, a considerably higher or lower installation height, or where there are obstacles such as pipes or cables in the area of the substrate element. Furthermore, even greater unevenness can be compensated with LUX ELEMENTS®-TUB-U S 90.

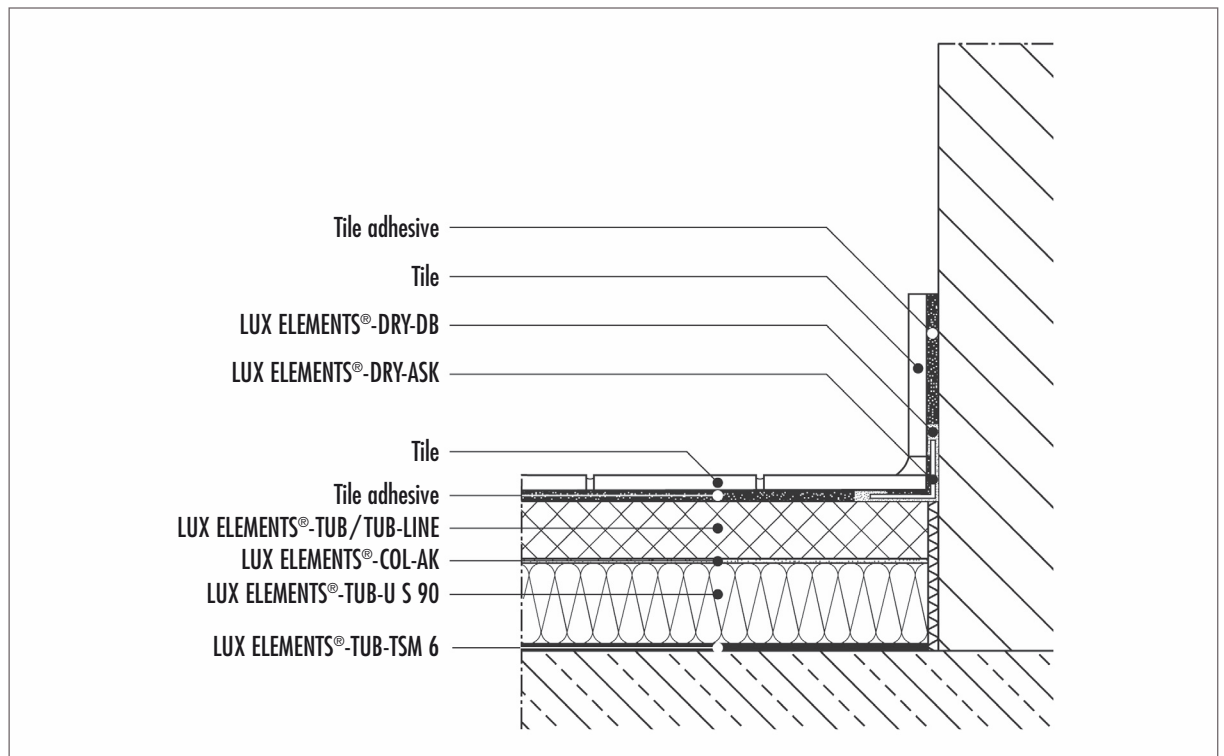
LUX ELEMENTS®-TUB-U S 90 can be installed on a separating layer on both mineral and timber substrates or bonded to them. Priming with LUX ELEMENTS®-COL HSV is recommended when bonding to timber substrates.

**Substrate**

- firm
- good load bearing capacity
- clean
- free of vibrations

**Recommended use**

LUX ELEMENTS®-TUB-U S 90 can be installed under TUB shower base elements, taking into consideration the technical requirements listed below. Refer here to the installation instructions 'LUX ELEMENTS®-TUB-U S 90'.



**Technical data**

– Mixing ratio: binder (COL-AK)	0,6 l/kg (= 9 l / 15 kg)
– Mixing ratio: EPS granulate / binder	10 l/1,67 kg (= 90 l / 15 kg)
– Required quantity of EPS granulate	Volume to be filled + approx. 220 % <i>Example: calculated fill volume 0,9 m x 0,9 m x 0,075 m = 0,061 m<sup>3</sup>,  required quantity of EPS granulate 0,061 m<sup>3</sup> + 20 % = 0,073 m<sup>3</sup> bzw. ca. 70 l EPS granulate</i>
– Wet bulk density of bonded levelling compound	330 – 340 kg/m <sup>3</sup>
– Dry bulk density of bonded levelling compound	290 – 300 kg/m <sup>3</sup>
– Compressive strength with 10 % compression	170 – 200 kPa
– Layer thickness, bonded	≥ 30 mm
– Layer thickness on separating layer, e.g. TSM	≥ 50 mm
– Maximum layer thickness	150 mm
– Working temperature	≥ 5 °C
– Processing time	45 min.
– Reworkable depending on the ambient temperature	after 12 – 24 hours
– Granulate content	100 % recycled EPS
– Pipe covering	≥ 20 mm
– Thermal conductivity	0,05 W/m*K
– Max. area	15 m <sup>2</sup>
– Sound Proofing	The stricter requirements according to DIN 4109 or sound insulation level III according to VDI 4100 can be met with LUX ELEMENTS®-TUB-U S 90 in conjunction with LUX ELEMENTS®-TUB-TSM 6. (For further information, please consult Application Technology!)

The relevant recommendations and guidelines, as well as DIN regulations, European standards and safety datasheets are to be observed. The recognised architectural and technical rules apply. We accept liability for the perfect quality of our products. Our processing recommendations are based upon trials and practical experience; they can, however, be no more than general instructions without assurance as to their quality, since we have no influence on the site conditions, on the execution of the work and the processing. With the issuing of this product datasheet previous versions cease to be valid.