

## The new KLB power combo: rapid-setting and strong!



Fast-curing polyurethane resins for the formation of load-bearing and accessible block or movement joints within one day.

### KLB-SYSTEM POLYURETHAN PU 68 Rapid U

Rapid-setting 2-component polyurethane binding agent and primer for concrete or other substrates. Suitable for repair mortar with mixed sand KLB-Mischsand 1 and as bonding bridge for the renovation of concrete joints. Recoatable after approx. 1 hour.

### KLB-SYSTEM POLYURETHAN PU 466

Solvent-free, highly elastic, tension-proof, rapid-setting 2-component polyurethane grouting resin for the production and renovation of load-bearing, accessible structural, connection, industrial or movement joints. It can be applied in thick layers in block casting. Only 24 hours until mechanical load.

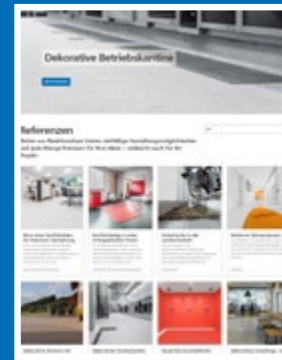


#### Areas of application:

- Deformable block joints on accessible concrete slabs in industrial halls
- Movement, expansion and shrinkage joints between concrete floor slabs and screed elements
- Floor joints with medium to high compressive load

## The systematic approach to great flooring.

You can find more products, systems, references and brochures on our website:



[www.klb-koetzal.de/en/systemfinder](http://www.klb-koetzal.de/en/systemfinder) [www.klb-koetzal.de/en/klb-references](http://www.klb-koetzal.de/en/klb-references)

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## Joint construction in a short time: performing under high load.

KLB-SYSTEM POLYURETHAN PU 68 Rapid U  
KLB-SYSTEM POLYURETHAN PU 466



## Joint grouting within shortest time

Structural joints between concrete and screed slabs often separate different workspaces in industrial or commercial facilities. In these areas, low downtime is essential when forming the joints. The new KLB products enable the creation and renovation of elastic, traversable joints in the shortest possible time.

The product innovations **KLB-SYSTEM POLYURETHAN PU 68 Rapid U** (primer and binding agent) as well as **KLB-SYSTEM POLYURETHAN PU 466** (grouting resin) are both rapid-setting and can be reworked within short time. They can already be mechanically loaded after 24 hours and chemically loaded after 36 hours.

### KLB-SYSTEM POLYURETHAN PU 68 Rapid U

Mixing ratio	A : B = 100 : 75
Processing time	10 - 15 min (at 20 °C / 68 °F)
Processing temperature	Minimum 5 °C / 41 °F (room, floor)
Further coatings	after 60 - 90 min, up to max. 8 hours (at 20 °C / 68 °F)
Shore-hardness D	approx. 75 according to DIN 53505 (after 7 days)

### KLB-SYSTEM POLYURETHAN PU 466

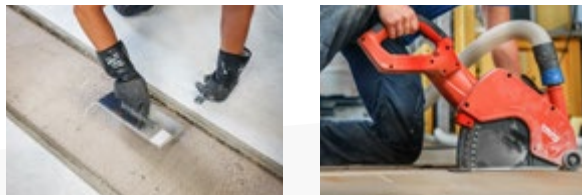
Mixing ratio	A : B = 2 : 1
Processing time	6 - 8 min (20 °C / 68 °F)
Processing temperature	Minimum 5 °C / 41 °F (room, floor)
Grinding and further coatings	after 60 - 70 minutes (at 20 °C / 68 °F)
Mechanical load	after 24 hours (at 20 °C / 68 °F)
Elongation at tear	> 400% (filled with KLB 2/1)
Tensile strength	> 3 N/mm <sup>2</sup>

## Preparation of joint grouting

Chisel out the joint, remove profiles if necessary and prepare the concrete edge zones. Flatten 90° edges with a concrete grinder. Prime the concrete in the joint area with **PU 68 Rapid U**, consumption approx. 0.3 - 0.5 kg/m<sup>2</sup> (avoid puddle formation). Sand openly with quartz sand 0.7/1.2 mm, consumption approx. 0.5 - 1.0 kg/m<sup>2</sup>.



If necessary, reprofile break-outs with a mortar made of **PU 68 Rapid U** and mixed sand **KLB-Mischsand 1** in a weight ratio of 1 : 10. After the mortar has hardened (after approx. 60 - 70 min), the closed joint is opened again by a separating cut, and a closed-cell PE round cord of suitable width is inserted into the joint. **The joint geometry must be adapted to the structural conditions!** Seek advice if necessary.



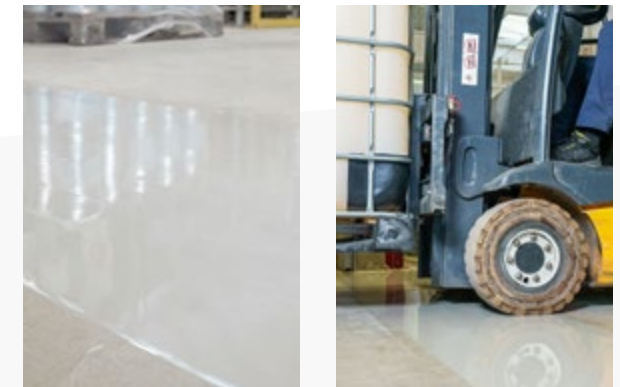
## Execution of joint grouting

Insert the grouting material **PU 466** filled with 33% of mixed sand **KLB-Mischsand 2/1** (density: 1.90 kg/dm<sup>3</sup>). Fill the joint at the edge with 1 - 2 mm.

After about 60 - 70 minutes, grind the filled joint even with the surface of the concrete slab using an angle grinder incl. diamond blade. (Joint cannot yet be mechanically loaded!)



**Optionally, for higher demands on visual appearance:** Fine grinding with an eccentric sander, which is followed by vacuuming and the application of a scratch coat with **PU 466**, then finely sanding again. Subsequent sealing with **PU 9018 Flex Color**, consumption approx. 0.4 - 0.5 kg/m<sup>2</sup>.



Here you can find more details, media and build-up information:

Scan QR code or open link in browser:  
[www.klb-koetztal.de/en/joint-construction-in-a-short-time/](http://www.klb-koetztal.de/en/joint-construction-in-a-short-time/)

