

### Areas of application

LUX ELEMENTS®-COL-MK is a moisture cured, single component, STP polymer-based adhesive for bonding LUX ELEMENTS® hard foam support elements. Furthermore, LUX ELEMENTS®-COL-MK adheres to various substrates such as metals, wood materials, ceramics, glass and other building materials.

### Characteristics

- LUX ELEMENTS®-COL-MK has high initial adhesion, even in the presence of water (but not underwater areas), combined with high strength and sealing properties.
- LUX ELEMENTS®-COL-MK is elastic when set and, after any preparation of the surfaces that may be necessary, is very well suited for stress-compensating bonding.
- LUX ELEMENTS®-COL-MK is stable, quick setting, force locked, weatherproof and heat resistant.
- Once it has fully hardened, LUX ELEMENTS®-COL-MK can be painted or varnished over.
- LUX ELEMENTS®-COL-MK is low in odour and free of silicone, isocyanates and plasticisers.
- LUX ELEMENTS®-COL-MK is not required to be marked in accordance with the German Ordinance of dangerous material (GefStoffV).
- LUX ELEMENTS®-COL-MK does not swell (foam up) during the setting process.

### Recommended use

LUX ELEMENTS®-COL-MK is supplied in 290 ml cartridges and is ready for use immediately after opening. It is sufficient to apply the adhesive to one surface, spread it out with a spatula if necessary, and, if required, fix the bonded parts in position. The materials to be bonded can be pressed together in order to optimise adhesion. The bonding surfaces must be clean, free from grease, and have sufficient load-bearing capacity. When bonding materials with different linear expansion coefficients, an assessment must be made as to their long-term behaviour (especially when placed under stress in situations where the temperature varies). The moisture required for hardening must be added by spraying lightly with water if neither of the two bonded parts has a proper humidity. The bonding surfaces may only be slightly moist in this case; they must not be wet. The parts to be bonded must be joined together as quickly as possible and, at the latest, within the skin-forming time of about 4 minutes. The tools used for carrying out the work can be cleaned using a special cleaning agent, so long as the LUX ELEMENTS®-COL-MK has not yet hardened. Hardened LUX ELEMENTS®-COL-MK can only be removed mechanically.

**Note:** Glued workpieces should be painted only after full through-hardening of the adhesive; varnish blistering cannot be ruled out if pieces are varnished too soon.

**Bonding aluminium:** use only on chemically prepared or varnished surfaces; bare aluminium cannot be bonded such that it is resistant to aging for a long period without suitable preparation of the bonding surfaces.

Basis:	single-component, moisture cross-linking STP polymer
Colour:	white
Viscosity:	medium viscosity paste at +20 °C
Working temperature:	from 0 °C
Skin-forming time:	approx. 4 minutes (depending on the material, temperature, applied quantity, humidity, material moisture, adhesive film thickness)
Setting time:	approx. 24 hours (depending on the material, temperature, applied quantity, humidity, material moisture, adhesive film thickness, applied pressure)
Temperature resistance:	-30 °C to +80 °C

### Storage

- Tightly closed, away from direct sunlight.
- Protect from moisture
- Shelf life in unopened cartridge: 12 months at +15 °C to +25 °C

#### **Disposal**

Dispose of this material and its container at hazardous or special waste collection point. Not suitable for disposal with household waste.  
Disposal via Interseroh GmbH.

#### **Voluntary labelling**

If swallowed, seek medical advice immediately and show this container or label. Keep out of the reach of children.

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.

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