

## CRACK REINFORCING ELEMENT GL



- > high bonding strength
- > no cutting into the substrate
- > low structural height
- > bridges cracks and joints



### Product description

Crack reinforcement element with very high elongation at break. The crack reinforcing element GF compensates for slight vibrations and movements of the substrate.

Through its high tensile strength, the crack reinforcing element GF is ideal for the reworking of cracks, contraction and construction joints in conjunction with fillers, MSP and PU adhesives as well as MS-X-3. For substrates with crack widths up to 5 mm. Can be used as a replacement for conventional crack anchoring. Suitable for underfloor heating systems.

#### Delivery format:

Container	Outer packaging	Pallet
1 M2 / ROL	75	1.500

#### Storage:

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for: 365 days

### Processing

#### Processing:

Pre-fill the pre-primed substrate in the crack area, approx. 25-30 cm to the left and right of the crack with a stable Murexin filler.

Then apply the Murexin Crack Reinforcement Element GF with the fibre strands across the crack, non-woven side up, without overlap and press on evenly.

Alternatively, if subsequent filling is not necessary, MSP and PU adhesives can be used to embed the elements. The crack reinforcing element can be applied directly onto the still sticky material in combination with Murexin moisture barriers (MS-X 3 or EP 170). For subsequent levelling, prime the entire surface with DX 9 (unthinned) after hardening. No intermediate primer is required if glued directly onto the moisture barrier.

## Technical data

Elongation at break	approx. 2.5%
Tensile strength	approx. 3500 N/mm <sup>2</sup>
Fire behavior	A1
Elasticity module	approx. 2000 N/mm <sup>2</sup>

## Substrate

### Suitable substrates:

Suitable for:

crack areas with slight vibration (cracks and joints up to max. 5 mm wide)

Screeds of all types

Bare concrete

Hollow floorboards

Chipboard on old substrates

Transitions in case of break-outs

Impact sound and decoupling panels

Cavity and raised floors

Underfloor heating

The substrate must be dry, frost-free, solid, load-bearing, dimensionally stable and free of dust, dirt, oil, grease, separating agents and loose parts and must comply with the applicable technical national and European directives, standards and the "generally accepted rules of the trade".

## Product and processing instructions

### Material instructions:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials up to the correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts and dilution instructions must be precisely adhered to!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

### Environmental advice:

- Do not process at temperatures below +15 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal air relative humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!

### Tips:

- We highly recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).