LUGATO

BOMBENFEST



GEV-EMICODE EC 1 PLUS sehr emissionsarm

Adhesive and sealant made of polyurethane.
Will glue practically any building materials.

Product performance

- A universal top-quality adhesive and sealant with new adhesive technology: the polyurethane-hybrid system.
- With a high degree of initial adhesion and rapid drying.
- Highly resilient, permanently flexible, weatherproof, paintable.
- No odour nuisance during application.
- Strong bonding to all mineral surfaces commonly used in construction, wood, plastics and metals.
- Will also bond to damp surfaces.
- Resistant to sea water and water-based cleaners.

Application

1. For gluing wooden materials, e. g. profile section around doors and windows.
2. For gluing metals, e. g. sheet metal and aluminium profile section.
3. For gluing plastics, e. g. PVC.
4. For sealing joints on vehicles, caravans and boats.
5. For bonding system mouldings to ABDICHTUNGSBAHN.

For indoors and outdoors, even under water.

Substrates an preparation

Suitable	Paint, concrete, epoxy resin, tiles, gypsum fibre board, sandwich-type plaster board, wood, masonry, cement facings, mortar facings, metals (anodized/painted aluminium, lead, copper, brass, steel, zinc), plastics (melamine resins, polyester, polyamide, PVC).
State	Load-bearing, clean, not wet, flat, free from any separating contamination, e. g. grease, bitumen, tar, oil, sealers, impregnations.
Preparation	Degrease with solvents as necessary. Moisten the surfaces and adhesive to accelerate drying, e. g. spray with water.

Processing

General instructions: Remove the aluminium seal and the desiccant capsule from the base of the cartridge. Cut off the tip of the cartridge above the screw thread. Screw on the nozzle and cut it off at an angle to suit the desired bead width. Remove any fresh contamination with LUGATO BAUSCHAUMREINIGER. After drying, remove any contamination mechanically.
Pointing joints: smooth the joints within 10 minutes with the moist silicone smoothening tool WIE GUMMI FUGENGLÄTTER (water with 10 % of colourless dishwashing liquid).



Gluing a cable duct to sand-lime masonry: moistening of absorbent surfaces.



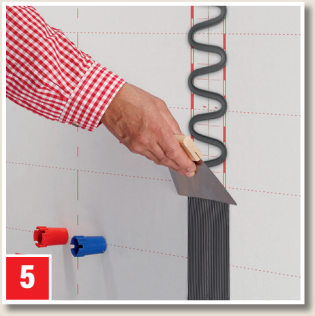
With a sealant gun, apply adhesive to the rear side of the cable duct.



Within 5 minutes, join the components together, press on and align. Press against or support heavy components until hardening.



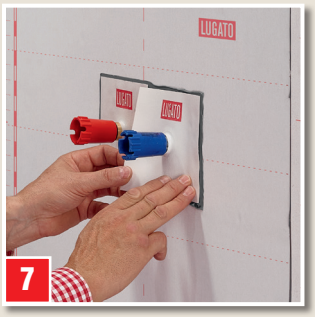
Other uses: gluing on signs and house numbers.



For bonding system installation parts to ABDICHTUNGSBAHN (Fig. 5–7): Apply the BOMBENFEST and spread a 12 cm wide layer in the middle over the area of the joint with a toothed trowel.



Apply DICHTUNGSBAND in theadhesive. Then smooth out until all creases or bubbles have been removed.



Embed system installation parts (DICHTUNGSMANSCHETTE in this case) in the applied BOMBENFEST adhesive and smooth out.

Product data

Consumption	In terms of area approx. 15 g/dm²/mm layer thickness; in terms of joints approx. 20 g/m (5 x 5 mm triangular joint).
Coverage (480 g)	Gluing: approx. 1.2-2.5 m². Joint sealing: approx. 24 m.
Processing temperature	10–35 °C.
Skin formation time (dry/wet)	Approx. 35 minutes/approx. 10 minutes.
Gap filling	Up to 5 mm.
Complete drying	Approx. 3 mm/day.
Shore A hardness (DIN 53505, hardened film)	Approx. 55.
Volume shrinkage	Approx. 1 %.

Paintable	After complete drying, within 5 days.
Max. movement accommodation (long term movement capability)	20 %.
Elongation at rupture (DIN 53504)	> 200 %.
Tear propagation resistance (DIN 53515)	Approx. 11 N/mm².
Tensile shear strength (DIN 53504, Nst S3A)	Approx. 2.3 N/mm² (Al/Al, steel/steel, PVC/PVC).
Temperature resistance	-40 °C up to a max. of 80 °C, briefly up to 120 °C.
Resistance	Permanently resistant to water, sea water, water-based cleaners. Under certain conditions resistant to greases and oils.
Colours	Concrete grey, white.
Ingredients	Polyoxypropylene polymer, fillers, plasticizer, pigments, cross-linking agents.
Cross-linking mechanism	Neutrally cross-linking, non-corrosive, silicone-free.
Product characteristics	Fulfils the requirements of GEV-EMICODE®EC 1^{PLUS} for very low-emission products (further information available at www.emicode.com). No additional organic solvents.
Packaging size	480 g (= 306 ml).
	At least 50% of the cartridge (packaging) consists of recycled plastic (proportion of recycled material based on manufacturer specifications)
Shelf life	In its original packaging, usable until at least: see imprint. Store in a cool, dry place. All time specifications are based on a temperature of 20 °C and a relative humidity of 50 %. Higher temperatures and higher relative humidity accelerate drying, while lower ones delay drying.

Please note

- On account of the variety of applications and materials, carry out gluing trials as necessary.
- Not suitable for chromium, Teflon wall sheets made of polycarbonate or movement joints in accordance with DIN 18540.
- Once opened, use up the contents of the cartridge within a month. Store dry!

Health and safety: Not subject to labelling obligation in accordance with GHS.
Remove heavy soiling with cellular material, remove residue with water and hand cleanser. Do not allow to dry on the skin. Contains reaction mass from Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May cause allergic reactions. Attention! Dangerous respirable droplets can occur when spraying. Do not inhale aerosol or mist. A data sheet can be downloaded from the Internet at www.lugato.de.

Disposal: Empty the packaging of any residue and then recycle the packaging.

If you're not sure of something, please ask!

Feel free to give us a call. You can reach the LUGATO experts at: +49 (0)40 6 94 07-222.

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For that reason, in case of doubt, verify the suitability of the product through a sufficient number of test applications. A direct legal liability can be derived neither alone from the instructions in this information sheet nor from any verbal consultation.
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