

EL-Fil 77 (yellow)

Description and applications

EL-Fil 77 is a medium-strength, non-hazardous anaerobic pipe thread seal. It is suitable for applications at low temperatures, for example outdoor maintenance work on industrial equipment.

When air is excluded and there is metallic contact with the connecting components, a media and temperature resistant sealing film forms, which then hardens.



1. General product information

Chemical basis	Polyester resin
Components	Single component
Colour	Yellow
Temperature range	-55 °C to +180 °C
Maximum thread size	M80
Maximum sealing gap	≤ 0,35 mm
Resistant to	Oil, grease, fuel, coolant, cold and hot water, salt water, etc.

2. Technical data

Measured variable	Value	Test standard
Density	1,05 – 1,09 g/ml	DIN 53217
Viscosity (25°C)	15.000 – 30.000 mPas	
Handling hardness	10 – 20 min	EN ISO 10964
Functional hardness	3 – 6 h	
Complete curing	12 – 24 h	
Breakaway torque	25 – 35 Nm	EN ISO 10964
Prevail torque	15 – 25 Nm	

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3. General information

3.1. Usage and processing instructions:

1. Remove sealant residues and clean the sealing surfaces with solvent.
2. Sealing surfaces must be clean, dry, and free of oil or grease before applying the seal-ing compound in order to ensure reliable sealing and adhesion.
3. Optimum processing temperature (ambient / adhesion surface temperature) +23°C
4. Apply the sealing compound continuously and evenly to the component to be sealed by pressing together the bellows bottle on one side.
5. No airing time required.
6. Fit the components in line with the manufacturer's specifications.
7. The sealing function is immediate.
8. Safety and technical data sheet at www.elring.com
9. In case of further questions, please contact our service hotline.

3.2. Storage

- Optimum storage conditions: Cool (+5°C to +23°C), dark and dry location
- Minimum shelf life: 24 months in unopened containers.
- The batch number has the following structure: YYWW (filling date)

3.3. Delivery form

Item no.	Package content	Volume	Colour	Packaging unit	CLP label
954.020	Concertina bottle	50 ml	Yellow	6 units	DE/EN/FR/IT/PT/ES/RU/ BG/CN/CZ/DK/EE/FI/GR/ HR/HU/LT/LV/NL/NO/PL/ RO/SE/SI/SK

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3.4. Exclusion of liability

The above specifications in this technical data sheet, in particular the suggestions for processing and usage of our products, are based on our current knowledge and experience. As a result of the varied possible uses and the fact that the usage and working conditions are outside our area of influence, we accept no liability for the suitability of our products for a particular production process under specific working conditions, or for the intended processing purposes and results. To ensure suitability, we recommend that adequate independent trials and tests are always performed in advance.

Any liability resulting from the information in this technical data sheet and from other written or verbal advice for the product in question is explicitly excluded, unless a case of injury, death or health problems arises that is due to intent or gross negligence on our part, or we are subject to liability under mandatory product liability law.