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GUROFLEX-N a label-free casting material based on renewable raw materials – friendly to health and the environment.  
Applicable for 1 kV cable joints.





# GUROFLEX-N

## Label-free two-component casting material based on renewable raw materials

The function of a casting material is to insulate electrical connections of underground cables and to prevent water ingress from outside the joint or from within the cable.

GUROFLEX-N is a state-of-the-art, environmentally friendly and easy to handle two-component casting material based on renewable raw materials. GUROFLEX-N is the result of the on-going development of the casting material GUROFLEX and combines safe working hygiene aspects now with environmental aspects. What is new is the use of renewable raw materials making GUROFLEX-N sustainable, environmentally sound and therefore environmentally friendly in double ways. Its high elasticity is very well suited to compensate for thermal expansion of the cable with electrical load, thereby cracking of the filler and a possible penetration of water is prevented. GUROFLEX-N has excellent electrical insulation properties and is water resistant. At the same time metal parts are well coated and thus protected against corrosion.

### What is GUROFLEX-N made of?

GUROFLEX-N is based on hydrocarbon resins made of renewable raw materials and is completely free of isocyanate.

A particular advantage of these resins is that they are not subject to any labelling according to the legislation for hazardous materials.

During processing no special precautions are required.

In addition, hydrocarbon resins are known for their low water absorption, excellent electrical insulation properties and high elasticity over a wide temperature range.

### What makes GUROFLEX-N unique?

GUROFLEX-N is easy to handle and in comparison with many other casting compounds, like polyurethane resins for example, does not require additional hazard warning labelling.

No temperature increase during hardening.

In addition GUROFLEX-N is resistant to low temperatures and can be stored at temperatures between -20°C and +40°C.

Installation is possible even down to -10°C.

Thanks to its water repellent properties, GUROFLEX-N is moisture resistant and avoids the formation of foam or bubbles when it comes in contact with water (e.g. rain drops) during curing.

### How is GUROFLEX-N used?

Preparation of GUROFLEX-N takes place immediately before casting. The two components are mixed either in a double chamber bag or in a can, and then the cross-linking process starts.

Compared to the cross-linking reaction of many other casting materials, GUROFLEX-N produces no heat during the cross-linking reaction, thus avoiding splitting or cracking caused by shrinkage of the setting material.

Due to the soft-elastic consistency GUROFLEX-N is easily re-enterable.

### where can GUROFLEX-N be used?

- **GUROFLEX-N** can be used in all self-supporting joint systems up to 1 kV.
- **GUROFLEX-N** is system-tested according to CENELEC EN 50393 and D631.1 S2. It is suitable for filled XLPE, PE, PVC and paper insulated cables.

### GUROFLEX-N

is available in double chamber bags and cans of various sizes.

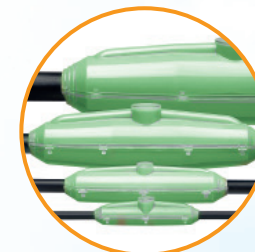
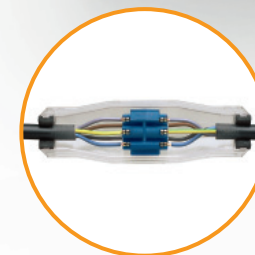
## PRODUCT BENEFITS

- **Not subject to classification** according to REACH and CLP (label-free)
- **Environmentally friendly** based on renewable raw materials
- **Isocyanate- and solvent free**
- **Easy to use**
- **Excellent** electrical properties
- **No temperature rise** during reaction
- **Storage temperature** -20° C (frost resistant) up to +40°C
- **Installation down to -10°C** possible

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## Product part numbers

Partnumber	Description	Volume
EE3480-000	GUROFLEX-N-C055	can - 0.55 L
EE3482-000	GUROFLEX-N-C100	can - 1.0 L
EE3484-000	GUROFLEX-N-C120	can - 1.2 L
EE3378-000	GUROFLEX-N-C160	can - 1.6 L
EE3379-000	GUROFLEX-N-C170	can - 1.7 L
EE3380-000	GUROFLEX-N-C215	can - 2.15 L
EE3381-000	GUROFLEX-N-C245	can - 2.45 L
EE3382-000	GUROFLEX-N-C385	can - 3.85 L
EE3383-000	GUROFLEX-N-C400	can - 4.0 L
EE3384-000	GUROFLEX-N-C490	can - 4.9 L
EE3385-000	GUROFLEX-N-C500	can - 5.0 L
EE3490-000	GUROFLEX-N-C550	can - 5.5 L
EE3386-000	GUROFLEX-N-C570	can - 5.7 L
EE3387-000	GUROFLEX-N-D035	bag - 0.35 L
EE3388-000	GUROFLEX-N-D055	bag - 0.55 L
EE3389-000	GUROFLEX-N-D080	bag - 0.8 L
EE3390-000	GUROFLEX-N-D100	bag - 1.0 L
EE3491-000	GUROFLEX-N-D120	bag - 1.2 L
EE3391-000	GUROFLEX-N-D140	bag - 1.4 L
EE3392-000	GUROFLEX-N-D160	bag - 1.6 L
EE3393-000	GUROFLEX-N-D170	bag - 1.7 L
EE3394-000	GUROFLEX-N-D215	bag - 2.15 L
EE3395-000	GUROFLEX-N-D245	bag - 2.45 L

