

GUROFLEX MV

Cold-Pour Insulating Compound for Medium Voltage Applications

- Cold pour – Safe to use
- No hazard classification – Safe to use
- Excellent electrical properties – Solves MV bulk-insulation problems
- Thoroughly tested to international performance standards
- Cures to a soft solid – No leakage problems
- No 'topping-up' or waiting time – Immediate energisation
- Unaffected by water and traditional oil-based insulating compounds
- Insensitive to temperature – Can be installed in cold or hot ambient conditions





GUROFLEX MV is ideal for filling cable boxes with complex phase metalwork or reduced clearances

GUROFLEX MV is a two-component cold-pour insulating compound. After mixing and pouring it cures to a soft rubbery solid that will not melt or flow. It has excellent electrical characteristics and is suitable for a wide range of bulk insulation applications in medium voltage electrical power equipment.

Because GUROFLEX MV is a cold-pour material there are none of the serious hazards associated with the heating and pouring of conventional bitumen or oil-based insulating compounds.

One of the outstanding advantages of its chemical make-up is that GUROFLEX MV is non-hazardous and does not contribute to environmental problems. The liquid components and mixed compound are not subject to any safety classification and no special measures are required for transportation, handling or disposal of waste.

The principal application for GUROFLEX MV is as a filling compound for cable termination boxes and bus bar enclosures associated with transformers, switchgear and motors. It is the ideal solution for non-air-clearance cable boxes where the phase metalwork cannot be satisfactorily insulated with heat-shrink

components, tapes or other applied insulation. GUROFLEX MV will also solve problems with air-clearance enclosures caused by hostile environmental conditions (persistent humidity, chemical pollution etc.).

GUROFLEX MV has been thoroughly tested to the requirements of CENELEC cable accessory performance standard HD 629.1 (including the requirements of IEC 60502-4) for rated voltages up to 12 kV. Additional testing has included impulse voltage withstand at 125 kV. Performance qualification for applications at rated voltage 36 kV is in progress.

GUROFLEX MV is compatible with all commonly-used terminations for MV polymeric and paper cables. It is also unaffected by the presence of oil-based residues of traditional hot-pour filling compounds. The curing reaction is not affected by the presence of water and the cured compound has very low moisture absorption.

GUROFLEX MV is supplied as a kit comprising secure cans, a mixing spatula and a mixing/pouring instruction. Recommended shelf-life of the components is 2 years. Mixing takes about 3 minutes and can be aided by the use of a power-driven stirrer. No heat is involved, and the curing compound does not

generate heat. No 'topping-up' is needed and the equipment can be energised immediately after filling. Once the compound has cured to a cross-linked solid there is no possibility of leakage from gaskets or cable glands.

The curing reaction of GUROFLEX MV is relatively insensitive to temperature, making it feasible to mix and pour the compound in very cold or hot ambient conditions. The compound will cease to flow about one hour after mixing.

The cured compound can be cut out of the enclosure if connections have to be changed at a later date. No heat is required.

Product details

Standard kit volume 5.3 litres
Product reference GUROFLEX-MV-C530
Other kit sizes can be made available on request.

Further information

Please ask your local Tyco Electronics Energy Division representative or distributor for:

- Performance testing reports
- Technical data sheet
- Installation instruction
- 'Questions and Answers'
- Safety data sheets

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. ALR, AMP, AXICOM, B&H, BOWTHORPE EMP, CHROMPTON INSTRUMENTS, DORMAN SMITH, DULMISON, GURO, HELLSTERN, LA PSAIRE, MORLYNN, RAYCHEM, and SIMEL are trademarks.

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