CELLPACK

Cast-resin Technology

General

High quality joint components are vital for the safe functioning of a cable network. Cellpack products offer a wide range of cast-resin systems which can be used to make straight-through, transition or branch joints for low voltage or signal cables. You can install with confidence, knowing that over a million Cellpack kits have been installed worldwide over the past forty years. This long track record provides the user with high quality reliable products.

A proven system

The resin is pure and not sand filled.

Every joint kit is supplied with the following components:

- Mechanically stable, self sealing, UV resistant moulds
- Cast resin and hardener mixed precisely in a two chamber mixing bag
- All the essential parts - earthing accessories, funnels, insulation tape & installation instructions

Additional accessories are supplied with certain kits - e.g. splices and mechanical connectors. See individual catalogue page for details.

Your benefit

- Easy, time and cost saving installation
- Shelf life guarantee of 18 up to 40 months (depending on cast resin type purchased)
- Connections are water tight
- The joint is fully operational immediately after installation

Applications

The Cellpack cast-resin system can be used for the following applications:

- Low voltage cables up to 1 kV
- Telecommunications and signal cables

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Moulds

The standard moulds used in the cast resin systems are made of thermoplastic synthetic materials, which provide the following properties:

- Excellent mechanical stability
- Highly resistant to water, watery solutions and diluted acids

The cast resin filled moulds have a shape which permits the cable installations in earth, ducts, and conduits, in water and on cable struts. The moulds are transparent which permit a visual check of the cable connection during pouring.

Cellpack cast resin moulds are shock resistant. The moulds lock into each other due to the snap on mechanism, additional fixing is therefore not necessary. The moulds also help in maintaining stability for softer cast resin (e.g. FG, WG and KG resins)

Cast resin

The resins can withstand several types of requirements when used for power, telecommunications and signal cable applications. Cellpack manufacture several types of cast resins which have various properties and application possibilities.

Most of our resins are delivered with a two chamber mixing bag which permits (after mixing) an easy pouring of the liquid. Prior to pouring, the two components are mixed together. The mould and the poured in resin form a complete self supporting system which protects and insulates the connection against humidity and external factors.

Generally the resins have a limited shelf life. Additionally one must be aware that the resins when mixed have a potting time which has to be respected.

Two Chamber Mixing Bag

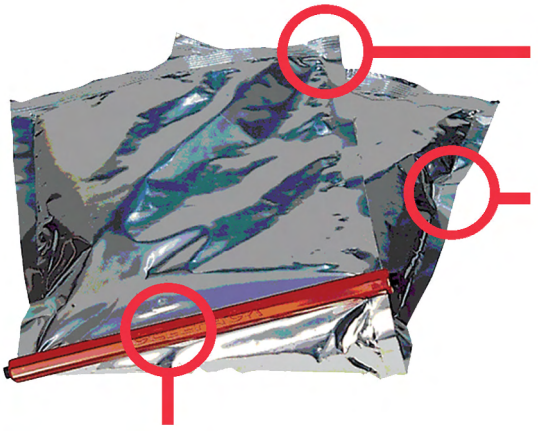
The Cellpack's two chamber mixing bags have a parting rail when opened, the resin and hardener can be mixed together in a closed environment. Hardener and resin can be poured easily together. The system is protected while mixing against external dirt and other foreign materials. The two components are mixed in such a way that very little amounts of non bound material remains in the system which gives the installer a safe and environment-friendly solution.

It is recommended to handle the mixing bags with care and wear gloves while working with them. After the cast resin has been poured the remaining hardened material can be thrown away in the household waste. **Non hardened material must be disposed of as hazardous waste.**

The Cellpack bags are made of a three layer laminated aluminium – plastic laminate material. The material is impermeable to gas and water therefore protected against air and humidity.

The bags are welded in several locations to give it mechanical stability and can resist high pressures.

Practical two chamber mixing bag



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