

Resins



3M offer a high quality range of resins for low and medium voltage applications. They have excellent adhesion to cable jacket minerals, together with excellent

mechanical, electrical and chemical resistance. They are suitable for all sizes and types of closures and have VDE 0291 Part 2 approval.



Scotchcast™ No. 1471 Two-component Polyetherurethane Resin

Scotchcast™ No. 1471 Resin is an unfilled solvent free two-component polyetherurethane resin for room Temperature curing. It is an extremely reliable power jointing resin incorporated in many of the 3M Scotchcast cable joints which provides good mechanical and electrical properties

Features

- Good adhesion on metals and different plastics
- Short cure time
- Available with Closed Mix and Pour Delivery System
- Scotchcast 1471 has a very high tear strength, resulting in the strength of the joint being at least equal to that of the cable when pulled

Application

- Ideal for general purpose void filling
- Supplied with 3M Scotchcast LA, LB Series Joint Kits
- Encapsulation of Cable Joints at both Low, and Medium Voltage

Pack Size			
A	90g	81cc	0.082 Litres
B	210g	189cc	0.191 Litres
C	420g	378cc	0.383 Litres
Mixpack MP23			
	1600g	1441cc	1.457 Litres



Pack Size			
A	90g	68cc	0.068 Litres
B	210g	159cc	0.159 Litres
C	420g	317cc	0.317 Litres
Mixpack			
	9060g	6845cc	6.845 Litres

Scotchcast™ No. 1400U Two Component Polyetherurethane Resin

Scotchcast™ No. 1400U Resin is a flame retardant, solvent free two component Polyetherurethane resin with long term resistance against most hydrocarbons, suitable for areas where there is a danger of gas, oil, sewage or chemical spillage, and in Zones 1 & 2 Hazardous Areas

Features

- Flame retardant
- Excellent resistance against fuels and most mineral oils
- Short cure time
- Low water absorption
- Accepted by British Coal for underground use and by the Mines and Quarries Health and Safety

Applications

- Suitable for areas where there is a danger of gas, oil, sewage or chemical spillages
- Supplied with 3M Scotchcast Mines & Quarries, and 3M Scotchcast hazardous area jointing Kits
- Encapsulating Cable Joints at both Low, and Medium Voltage



Pack Size			
B	216g	200cc	0.179 Litres
C	616g	570cc	0.511 Litres

Scotchcast™ 2130 Two Component Polyetherurethane Electrical Insulating Resin

Scotchcast™ 2130 Electrical Insulating Resin is a special flame retardant, two-part, polyurethane resin that is designed to replace the cable jacket when jointing or repairing flexible cables.

Its unique formulation makes it particularly suited to withstand the rugged conditions under which mining and portable cables must operate.

Features

- Flame Retardant
- Bonds to all modern cable jackets
- Bonds to itself
- Tough yet flexible
- Primary insulating rating of 1000 volts
- Continuous operating temperature of 90°C with an overload rating of 130°C
- Excellent multi-purpose moisture sealing resin

Applications

- To replace or repair the jacket on both single and multi-core power cables, particularly where flexibility is required
- To insulate between the conductors of multi-core joints operating at 1000 volts or less
- To seal the crotch or sheath when terminating multicore cables
- Submersible applications



Pack Size			
A	90g	81cc	0.084 Litres
B	210g	188cc	0.195 Litres
C	420g	377cc	0.309 Litres

Scotchcast™ No 4 Resin

Unfilled solvent free two-component epoxy resin for room temperature curing

Scotchcast™ 4 Electrical Insulating Resin is a two-part epoxy insulating and encapsulating resin packed in three sizes. This resin, mixed in its unique container bag generates its own heat to cure. The nature of the viscosity, which first decreases to allow it to flow into crevices and awkward spots and then increase rapidly to cure, makes it ideal for small joints. Its compatibility with solid and synthetic cable insulations and jackets makes it an excellent insulator and sealer for cable splicing.

Features

- Highly resistant to mechanical shocks
- Good adhesion on metals and different plastics
- High moisture resistance
- Ideal for high humidity applications

Applications

- Use Scotchcast™ 4 Resin to join solid dielectric and oil filled cables up to 8 kV and to encapsulate high voltage splice through 69kV. It is included in the 82 and 90-B1 series splice kits

Pack Size			
C	385ml	350g	0.385 Litres
6000	6593ml	6000g	6.593 Litres

8882 High Gel Re-enterable Resin

- Insulate joints for solid dielectric and oil filled cables up to 8kV
- Encapsulate high voltage splices up to 69kV
- Included in 3M 82 and 90 - B1 series splice kits

Features

- Better penetration of splice bundles at low temperatures due to its lower viscosity and longer gel time
- Stays firm at high temperatures due to its increased hydrolytic stability
- Contains no isocyanates, so the risk of a reaction is greatly reduced
- High level of adhesion
- Resistant to moisture ingress

Applications

- Suitable for re-enterable buried splicing applications in the Telecommunications industry



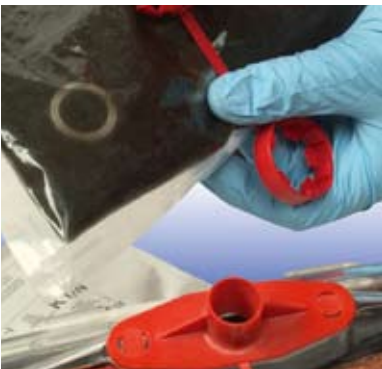
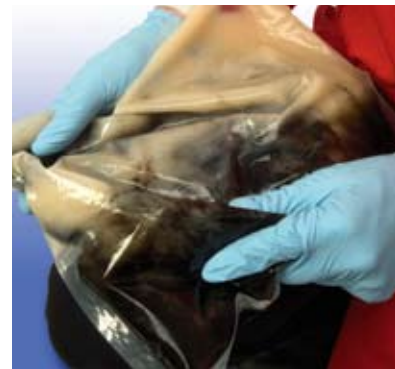
3M™ PBR Re-enterable two part, filled, flexible, isocyanate-free compound for room temperature curing

3M PBR Filler is suitable for the jointing of low voltage power cables. As it is a re-enterable material, it is ideal for the temporary protection of cable joints. The filler ensures a waterproof seal, electrical insulation and affords a reasonable amount of mechanical protection.

Pack Size

11.1 Litre pack

The Advanced Resin Delivery System Application Method



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