Bosworth Flexable Resin Cable Joint

FIRE RETARDANT

1. Product Overview

This two-part polyurethane resin is specially formulated for durable and reliable electrical cable jointing applications. Packaged in a convenient, sealed foil pack, it ensures easy mixing, fast curing, and consistent performance across various environments.

2. Key Features

- Heavy Duty: Designed for demanding cable joint applications.
- Fast Curing Time: Begins to cure approximately 10 minutes after pouring @ +/- 20°C
- Rapid Demolding: Mould can be safely removed after 30-45 minutes @ +/- 20°C
- Hardness: 65–70 Shore A.
- High Strength: Strong, impact resistant, and abrasion resistant finish
- Safe Formula: Contains no harmful chemicals.
- Color Options: Available in Green, Yellow, and Red.
- Application Ready Packaging: Supplied in sealed foil packs for easy handling and long shelf life.

3. Applications

Electrical cable joints (low to medium voltage)
Underground and surface cable joints
Resin-based mechanical protection
Moisture-resistant sealing and insulation

3.1 Compatible Cable Size Range

This two-part polyurethane resin is suitable and safe for use with a wide range of cable sizes commonly used in mining (surfase and underground) residential, commercial, and industrial applications.

3.2 Temperature Rise & Load Considerations

PU resin provides excellent thermal stability for low to medium voltage cable joints.
Resin must fully encapsulate conductors to allow even heat dissipation.

4. Technical Specifications

Property	Value
Resin Type	Two-Part Polyurethane
Hardness	65–70 Shore A
Gel Time	~10 minutes 20°C
Demould Time	~30 -45 minutes 20°C
Abrasion Resistance	Very Good
Chemical Safety	No Hazardous or harmful chemicals
Colors Available	Green, Yellow, Red
Packaging	Pre-measured sealed foil pack 400/500g

5. Mixing & Application Instructions

1. Tear open the foil pack following the mixing direction indicated.
2. Knead the pouch thoroughly for 30–40 seconds, or until a noticeable exothermic warm-up occurs.
3. Once activated Cut the corner of the pack and pour resin into the prepared mould/joint immediately to prevent premature curing.
4. Allow to gel for approx. 10 minutes
5. Remove mould after 30-45 minutes
6. Actual gel time may vary depending on environmental conditions: lower temperatures will slow the reaction, while higher temperatures will accelerate curing time.

6. Storage & Shelf Life

Store in a cool, dry place away from direct sunlight.
Ideal storage temperature: 15–25°C.
Shelf life: 12 months when unopened.

7. Safety Information

Contains no harmful or hazardous chemicals.
Wear gloves during mixing and pouring.
Avoid contact with eyes.

8. Packaging Options

Standard foil packs: 400g and 500g sizes