

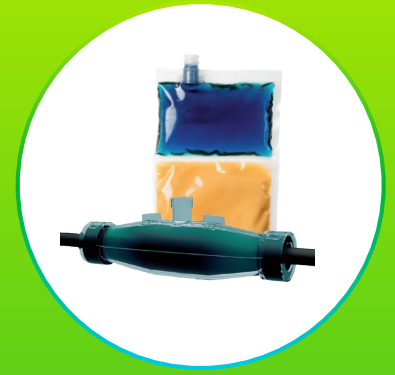
3M™ Scotchcast™ Resin 4 GS

Resin Solutions for Low-Voltage Splicing, Insulating and Sealing.

**A new standard in low voltage
connection.**

3M can help you get it done safely.

Discover the safer epoxy resin from 3M. Compared to other products in our portfolio, the 3M™ Scotchcast™ Epoxy Resin 4 GS is free of carcinogenic, mutagenic, reprotoxic (CMR) chemicals and substances of very high concern (SVHC). Fast, reliable and mess-free application is provided thanks to the closed mix and pour system with an integrated spout and nozzle. Suitable for low-voltage electrical splice joints up to 0.6/1.0 (1.2) kV.



3M™ Scotchcast™ Epoxy Resin 4 GS:

- No carcinogenic, mutagenic or reproduction-toxic substances
- No Substances of Very High Concern (SVHC)
- No isocyanate, silicone or halogen
- Limited skin contact thanks to the closed mix and pour system and integrated spout
- 20% of the formula is made of bio-renewable organic substances such as cashew nutshell liquid

Convenient, easy and reliable application:

- Transparent mixing bag with colour indication system allows the resin to be applied at the ideal moment
- Prolonged usage time of the mixed resin
- Innovative one part mould for cleaner and more accurate delivery to the enclosure
- Integrated spout and nozzle for mess-free application
- External heat reduced
- Enhanced humidity and water resistance
- The connection is ready for immediate power-up



Mix colour indicator



Colour indicator of mix preparation quality and validation of the resin polymerization

*Average time for a 92-NBA 3 GS kit at 23°C (73.4°F)

Practical: One-piece transparent mould

Reliable: Visual control of resin delivery

Cleaner: Integrated pouring spout and contact-free design

Faster: No cutting or taping, mess-free application

Safer: Free of CMR and SVHC components

Adaptable: Different pack sizes, including mould body and connector



The transparent two-component bag with an integrated spout reduces contact with resin during pouring



Two-part bag separated manually and resin and hardener mixed



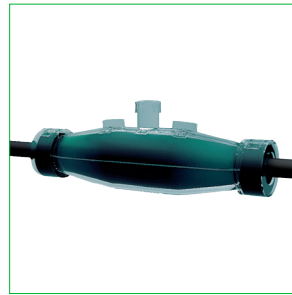
2 minutes: Resin turns green, indicating perfect mix



Visible colour change. Mixture is ready to pour



Place the spout on the mould body, quarter turn to release the resin and fill the kit.



30 minutes: as curing takes place the resin colour changes to darker green.



Scotchcast™ 4 GS

Epoxy Resin

+ CMR-free, Isocyanate-free

+ Lower exothermic heat

+ Longer Potlife, workability

+ Colour Indicator

Old Scotchcast™ 4





Epoxy Resin

- not CMR-free




- Very high exothermic heat (>175°C, only suitable for joint sizes up to NBA-4)

Application Range [mm²] for different kit sizes using either Resin 4 GS




In-Line Splice

3M™ Scotchcast™ Epoxy Resin 4 GS	 Cu		 Al		 Cu		 mm					
	Application Range in mm ²				Application Range in mm ²				Application Range in mm ²		Application Range in O.D.	
Kit Reference	4 ×		5 ×		4 ×		5 ×		4 × or 5 ×		mm	
92-NBA 0 GS	1,5	4	1,5	2,5	–	–	–	–	–	–	4	16
92-NBA 1 GS	1,5	10	1,5	6	–	–	–	–	–	–	10	22
92-NBA 2 GS	6	16	2,5	10	–	–	–	–	–	–	12	25
92-NBA 3 GS	16	25	6	16	–	–	–	–	–	–	13	32
92-NBA 4 GS	25	50	16	35	16	35	16	25	–	–	18	36
92-NBA 5 GS	50	95	25	50	35	70	25	50	–	–	19	45
92-NBA 6 GS	70	120	50	95	70	120	50	95	–	–	27	54
92-NBA 7 GS	120	240	95	150	95	240	95	150	–	–	29	64
92-NBA 1C GS (w/Conn)	–	–	–	–	–	–	–	–	1,5	6	10	22
92-NBA 3C GS (w/Conn)	–	–	–	–	–	–	–	–	1,5	16	10	32

T-Branch Splice

3M™ Scotchcast™ Epoxy Resin 4 GS									 mm		
	Application Range in mm ²								Application Range in mm ²		Application Range in O.D.
Kit Reference	4 × Main Cable		4 × Branch Cable		5 × Main Cable		5 × Branch Cable		mm		
92-NBC 2 GS	4	35	4	25	2,5	25	2,5	25	16	33	
92-NBC 2C GS (w/Conn)	4	16	4	16	2,5	16	2,5	16	16	33	

Y-Branch Splice

3M™ Scotchcast™ Epoxy Resin 4 GS									 mm		
	Application Range in mm ²								Application Range in mm ²		Application Range in O.D.
Kit Reference	4 × Main Cable		4 × Branch Cable		5 × Main Cable		5 × Branch Cable		mm		
92-NBB 0 GS	1,5	4	1,5	4	–	–	–	–	9	18	
92-NBB 1 GS	2,5	16	2,5	16	1,5	10	1,5	10	11	23	
92-NBB 2 GS	4	35	4	35	2,5	25	2,5	25	16	33	
92-NBB 1C GS (w/Conn)	2..5	16	2,5	16	1,5	10	1,5	10	11	23	
92-NBB 2C GS (w/Conn)	4	16	4	16	2,5	16	2,5	16	16	33	

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application.

As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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3M United Kingdom PLC
3M Centre
Cain Road, Bracknell
Berkshire RG12 8HT
www.3m.co.uk

3M Ireland Limited
The Iveagh Building
Carrickmines Park,
Carrickmines, Dublin 18
www.3mireland.ie

3M a/s
Hannemanns Allé 53
DK-2300 København S
Denmark
www.3mdanmark.dk

Suomen 3M Oy
Keilaniementie 1
02150 ESPOO
PL 600, 02151 ESPOO
puh. 09 525 21 Finland
www.3msuomi.fi

3M Norge AS
Tærudgata 16
2004 Lillestrøm
Norway
www.3mnorge.no

3M Svenska AB
Herrjärvatorg 4
170 67 Solna
Sweden
www.3msverige.se