



3M™ Scotchcast™ Easy Dispenser 250

Electrical insulating, re-enterable resin

REACH
1907/2006/EC



Product Description

3M™ Scotchcast™ Easy Dispenser 250 is an easy to use dispenser of electrical re-enterable resin for electrical installers. The 3M™ Scotchcast™ Easy Dispenser 250 contains 3M™ Scotchcast™ 8882 resin. This is a soft, two-part polybutadiene electrical resin encapsulant, designed for re-enterable splice protection.

3M™ Scotchcast™ 8882 resin is formulated for virtually every electrical application requiring a reliable, soft, re-enterable resin with good handling and performance characteristics.

Scotchcast™ 8882 has excellent wetting properties and low viscosity. The resin flows well at low temperatures, filling the closure and minimizing air voids.

3M Deutschland GmbH
Electrical Markets Division
Carl-Schurz-Straße 1
D-41453 Neuss
Tel.: +49 (0)2131 - 14 3574
Internet: www.3m-elektro.de

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Applications

3M™ Scotchcast™ 8882 is used for electrical insulation and moisture sealing of multicore low voltage cables up to 0,6/1(1,2)kV in junction boxes where a re-enterable system is required.

Features

- 3M™ Scotchcast™ Easy Dispenser 250 is compatible and used with commercially available applicator guns
- Mixing of resin components is by a static mixer and delivered together with cartridge
- Easy re-accessibility of the cable connection
- Homogeneous and reliable insulation
- Good adhesion of the resin on cables and on itself
- Excellent protection against water
- Low exothermic reaction temperature (0,6°C raise from 24°C)
- Continuous operating temperature of the resin at 90 °C, emergencies up to 130 °C

Available Sizes

Scotchcast™ Easy Dispenser 250 cartridge: 250 ml

Usage Information

Scotchcast™ 8882 will be supplied in two-chamber plastic cartridge with a static mixer to ensure a correct mixing ratio for applying the resin. Cartridge can be mounted into commercial available application guns.

Physical and Electrical Typical Properties

*Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

Property	Value*	Specification
Mixing ratio A:B	1:1	-
Colour	Amber, Translucent	-
Gel Time at 23°C	40 min +/- 5 min	DIN 169 45
Part A&B mixed		
Density	0,86 g/cm ³	EN ISO 1183-1
Curing time	at 21°C 24 hours	-

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Part A&B cured*

* curing and aging according to Cenelec HD631.1 S2

Mechanical Properties

Tensile strength		0,04 Mpa	EN ISO 527
Elongation at break		31,6 %	EN ISO 527

Electrical properties

Volume resistivity	at 23°C	> 7 x 10 ¹² Ωcm	HD 429
	at 80°C	> 1 x 10 ¹¹ Ωcm	HD 429
Dielectric Strength	at 23°C	22 kV/mm	EN 60243- 1
Dissipation factor	at 23°C	0,03	IEC 60250
	at 80°C	0,1	IEC 60250
Dielectric constant	at 23°C	2,65	IEC 60250
	at 80°C	2,49	IEC 60250
Water absorption	at 50°C,42d	0,18%	ISO 62

Performance Tests

Scotchcast™ 8882 has been tested with cable junction box according to IEC 60529 and meets the requirements of IP 68.

Application condition

Keep cartridges at 5°C or warmer before mixing. In cooler conditions keep cartridges in warmer area until ready to mix.

Storage condition and shelf life

3M™ Scotchcast™ 8882 has a shelf life of at least 12 months when stored between 10°C and 40 °C with humidity level < 75 % in the originally sealed bag. The expiration date of each product appears on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, it is the responsibility of the user to determine applicability of the resin.

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User Information

Regulatory Status:

Scotchcast™ 8882 is in compliance with EU regulation 1907/2006/EC (REACH), it is not in the scope of the European WEEE and RoHS Directives.

Safety and Handling

3M provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, storage, use and disposal information. 3M strongly encourages its customers to review the MSDS on its products prior to their use.

Additional Information

To request additional product information see address below.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.

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