

3M™ Scotchcast™ Easy Dispenser 250
Electrical insulating, re-enterable resin



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 encapsulate, 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.

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 achieved using a static mixer, and delivered by 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 (IP68)
- 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 16945
Part A&B mixed			
Density		0.86 g/cm ³	EN ISO 1183-1
Curing time at 21°C		24 hours	-
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	$> 7 \times 10^{12} \Omega \text{cm}$	HD 429
	at 80°C	$> 1 \times 10^{11} \Omega \text{cm}$	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 a cable junction box according to IEC 60529 and meets the requirements of IP 68.

Application

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

Storage and shelf life

3M™ Scotchcast™ 8882 has a shelf life of at 24 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.

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.

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