

3M™ Scotchcast™ Potting Kit 2135

Data Sheet

May 2008

Product Description

3M™ Scotchcast™ Potting Kit 2135 is designed to meet NEC requirements to allow the use of rigid, non-metallic conduit in the installation of wet-niche underwater lighting fixtures. The 2135 potting kit helps provide protection against corrosion and possible deteriorating effects of fresh swimming pool water, fountain water and sunlight by reliably encapsulating the 8 AWG ground connection in wet-niche shell, as required by NEC Article 680.23(13)(L2)(b). The 2135 potting kit has also been UL listed for use in underwater junction boxes [NEC 680.522(B)].

The kit contains enough 2135 potting compound to encapsulate one connection, and is used only where adhering to copper, copper alloy and stainless steel materials. The 2135 compound is a Thixotropic urethane resin provided in an easy mix 1.8 oz. closed mixing pouch. At temperatures above 40°F (18°C) the compound will firm up in minutes. It is designed not drip or sag. Encapsulated connections can be submersed within 4 hours of application.

Kit Contents

Each kit contains enough material to complete one fixture.

- 1 3M™ Scotchcast™ Potting Compound 2135
- 1 Cleaning Pad Kit
- 1 Applicator Stick
- 1 Pair of Gloves

Regulatory Agencies



3M

Typical Properties

This data is not to be used for specifications. Values are typical and should not be considered minimum or maximum.

Typical Properties	
*All values shown are typical. They are based on several determinations and are not intended for specification purposes. Product specifications will be provided upon request.	
Property	Value
Specific Gravity	
Prepolymer (Part A)	1.08 g/cc
Polyol (Part B)	1.29 g/cc
Mixed	1.23 g/cc
Viscosity	
Prepolymer (Part A)	1250 cps
Polyol (Part B)	4250 cps
Gel Time – 100 g	15.5 min.
Maximum Exotherm – 100 g	59°C
Modulus	
T100	566 psi
T Break	1107 psi
Elongation	208%
Hardness (Shore)	A-85
Water Absorption (% wt. gain)	
1 week @ 100°C	2.67%
Glass Transition Temp	-78°C
Dielectric Strength	
125 Mils	314 V/mil
Coefficient of Expansion	226 PPM
Temp. Range	20-110°C
Tear Strength	
Die	145 lbs./in.
Dissipation Factor – 60 Hz	
24°C	3.76%
60°C	4.91%
90°C	7.45%
105°C	17.70%
120°C	28.90%
Heat Aging – Wt. Loss	
1 week @ 121°C	0.52%
2 week @ 121°C	0.55%
3 week @ 121°C	0.59%
1 week @ 136°C	1.76%
2 week @ 136°C	2.82%
3 week @ 136°C	3.60%
Adhesion – Copper	35 lbs./in.

Important Notice:

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

**Warranty; Limited Remedy;
Limited Liability:**

This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

3M and Scotchcast are trademarks of 3M Company.



Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800 245 3573
Fax 800 245 0329
www.3M.com/electrical

Please recycle.
© 3M 2008 All rights reserved.
78-8126-5164-7_C