

3M™ Scotchkote™ Brush Grade Polyurethane Coating 352

Data Sheet and Application Guide

Product Description

3M™ Scotchkote™ Brush Grade Coating 352 is designed to protect buried steel structures from the harsh effects of corrosion where spray application is impractical. Scotchkote 352 Brush Grade can also be used in a wide variety of other field applications where corrosion protection of metal is required.

Product Features

- Compatible with cathodic protection systems and provides outstanding resistance to cathodic disbondment and loss of adhesion due to wet environments
- Applied manually by brush or roller
- Designed for immersion service in temperatures up to 65°C/150°F and dry service in temperatures up to 75°C/167°F
- Allows repairs and small areas to be coated in a cost effective manner
- Optimum ambient temperature range for field application is -5°C/14°F to 35°C/95°F.
- Complements 3M™ Scotchkote™ Spray Grade 352

General Application Steps

1. Remove oil, grease and loosely adhering deposits.
2. Prepare the affected and surrounding areas as specified.
3. Apply Scotchkote 352 at the specified thickness.
4. Allow to cure.
5. Visually or electrically inspect the coating for defects.

Properties

Property	Value
Color	Gray
Shelf life (unopened container)	18 months
Ratio	3A - 1B
Solids content	100%
Adhesion Instron at 25°C	3000+ psi
Abrasion Resistance Taber CS 7 wheel 1000g 1000 cycles	42 mg weight loss
Impact Resistance @ 30 mils 1.5 joules@-30, -10, 0, 23, 65 and 75°C	60 inch pounds
CSA Z245.20 clause 12.12	No failures
Cathodic Disbondment CSA Z245.20 clause 12.8 65°C -1.5V 5% NaCl 14 days, 3 mm holiday	11 mm
23°C -1.5V 3% NaCl 28 days, 3.2 mm holiday	8 mm
Water Soak Adhesion 14 days, 90°C	No loss of adhesion
Film Build	>30 mils
Cure Time -5°C/23°F 10°C/50°F 35°C/95°F 65°C/149°F 100°C/212°F	48 hours 4 hour 1 hour 10 minutes 5 minutes
Coverage	1 m ² /L@ 1 mm
Wet Adhesion CSA Z245.20 65°C/28-day 3 panels	1,1,1
Pot Life	21°C/70°F - 7 minutes 27°C/80°F - 6 minutes 35°C/95°F - 4 minutes



Surface Preparation:

Large Areas (Field Joints)

For large areas such as field joints, steel surfaces shall be clean and free of dirt, oil, or other contaminants prior to abrasive blasting. Slivers, rough welds, or other defects in the steel shall be ground out prior to abrasive blasting. Abrasive blasting shall be carried out to a near white metal blast using clean abrasive. Abrasive blast clean the surface to NACE No. 2/SSPC-SP10 near-white metal, ISO 8501 Sa 2.5. If the surrounding area is already coated, it should be abraded. The temperature of the substrate shall not be less than 3°C/5°F above the dew point during all surface preparation and coating procedures.

Small Areas

Small areas up to 1000 square centimeters may be prepared by grinding out the area using an angle grinder or equal fitted with an abrasive disc. This area should include abrading approximately 5cm surrounding the repair area. The temperature of the substrate shall not be less than 3°C/5°F above the dew point during all surface preparation and coating procedures.

Application Procedures

3M™ Scotchkote™ Brush Grade Coating 352 is supplied in premeasured kits. Empty the contents of Part B into the container containing Part A. Do not attempt to thin the product with solvent. Thoroughly mix the product with a drill mixer or equivalent paying close attention to the sides and bottom of the container. Immediately perform the coating operation using a brush or roller, working quickly to ensure that the product does not begin to set before it is applied.

Handling and Safety Precautions:

Read all Health Hazard, Precautionary, and First Aid statements found in the Material Safety Data Sheet, and/or product label prior to handling or use. For ordering information, technical information, product information or to request a copy of the Material Safety Data Sheet:

Phone: 1-800-722-6721 or 1-512-984-9393

Fax: 1-877-601-1305 or 1-512-984-6296

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