

3M™ Scotchkote™ Geopox GX014

Updated
Supersedes

July 2014
January 2013

Data Sheet and Application Guide

Product Description

3M™ Scotchkote™ Geopox GX014 is a two component high build corrosion protection epoxy resin coating developed as an insitu spray applied lining for the rehabilitation of drinking water distribution pipelines.

Product Features

- Authorised for use under Regulation 31(4)(a) of the Water Supply (Water Quality) Regulations.
- Can be applied at a dry film thickness up to 500-1000µm by twin hot airless spray equipment.
- Can be applied in situ to all diameters of potable water pipelines.

General Application Steps

1. Remove corrosion and loosely adhering deposits, using one of the methods detailed overleaf.
2. Apply Scotchkote Geopox GX014 at the specified thickness.
3. Allow to cure.
4. Visually or electrically inspect the coating for defects.
5. Repair all defects.

Properties

Property	Value
Colour	Terracotta
Ratio	2.47:1 By volume 100:42 By Weight
Drying & Cure times at 20°C (68°F)	
Useable Life	20 minutes
Touch Dry	2 hours
Hard Dry	6 hours
Full Cure (Return to Service)	16 hours
Volume Solids	100%
Specific Gravity (Average Mixed)	1.310
Film Thickness (Typical)	Up to 1000 microns
Note: The actual thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance criteria and may be higher or lower than the quoted typical value.	
Theoretical Coverage Rate	1m ² per litre at 1000 microns dft.



Application Procedures for Scotchkote Geopox GX014

Surface Preparation

In Situ Cast & Ductile Iron Pipelines: Mechanical power boring and or drag scraping followed by foam pig swabbing until internal surface is dry.

Concrete Surfaces: All concrete surfaces to be coated should be prepared by either lightly abrasive blast cleaning using wet or dry techniques or alternatively high pressure water jetting. Care should be taken not to expose the aggregate. All dust and abrasive material shall be removed from the surface prior to coating. In most situations a sealer coat of Scotchkote Geopox GX014 will be required.

Application Procedures

In Situ Coating of Pipelines: Scotchkote Geopox GX014 should be mixed via an approved in line static mixer unit and applied with an airless spray centrifugal applicator all as detailed in the "In Situ Epoxy Resin Lining of Water Mains Operational Guidelines and Codes of Practice" (published by the DWI, UK)

Clean all equipment immediately after use with 3M™ Scotchkote™ Thinners SA65.

To comply with the conditions of authorisation under Regulation 31(4)(a) Scotchkote Geopox GX014 must be applied by an independently assessed and approved contractor in accordance with the relevant Instructions For Use Document 22P-GX and in accordance with the requirements of the Operational Requirements: In-Situ Resin Lining of Water Mains (WIS 4-02-01) and the Code of Practice: In-Situ Resin Lining of Water Mains (IGN 04-02-02).

Packaging and Storage

Supplied separately in 1000 litre units, (2 x Resin Part A (Base) + 1 x Hardener Part B (Activator)).

Use within 12 months of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C.

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.

Ordering Information/Customer Service

For ordering information, technical information, product information, or to request a copy of the Material Safety Data Sheet, call:
Phone: +44 (0) 1609 780170

For emergencies, please contact +44 (0)1344 858000.

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Important Notice

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Warranty; Limited Remedy; Limited Liability.

3M warrants that the 3M™ Scotchkote™ Product will conform to 3M published specifications upon shipment. If the product is proven not to have met the specifications your exclusive remedy within 12 months of sale by 3M of the product and 3M's sole obligation will be, at 3M's option, to replace the Product or to refund the purchase price of the Product. Except where prohibited by law, this warranty is made in lieu of all other warranties, express or implied, including, but not limited to, any implied warranty of suitability or fitness for a particular purpose, or those arising from a course of dealing, custom or usage or trade.

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