

# 3M™ Scotchkote™ Poly-Tech RG 600

## Data Sheet and Application Guide

### Product Description

Scotchkote Poly-Tech RG 600 is a water based polymeric coating specifically developed to provide a solar reflective finish on all types of sound roof surfaces.

### Product Features

- Combines good application characteristics with fast drying capabilities.
- Can be applied to most surfaces over an appropriate primer.
- Outstanding weather and UV resistance.
- Provides a minimum of 10 years protection.

### General Application Steps

1. Remove loosely adhering deposits.
2. Apply the appropriate primer and allow to dry.
3. Treat all joints and seams.
4. Apply first coat of Scotchkote Poly-Tech RG 600
5. Apply second coat of Scotchkote Poly-Tech RG 600

## Properties

Property	Value
Colour	White
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Touch Dry	30 minutes
Minimum Overcoating	2-4 hours
Maximum Overcoating	Indefinite provided surface is clean
Shower Resistant	30 mins
Water Resistant	2 hours
Volume Solids	60%
V.O.C (As Supplied)	Nil
Film Thickness	250 microns wet, 150 microns dry
Theoretical Coverage Rate	4m <sup>2</sup> / litre at 150 microns dft.
Performance Data	
Water Vapour Permeability	1x10 <sup>-4</sup> perm.cm (ASTM E96)
Tensile Strength	3N/mm <sup>2</sup> (440 psi) (ASTM D412)
Elongation	150% (ASTM D412)
Tear Strength	9.6N/mm (5 pli) unreinforced (ASTM D624)
Thermal Conductivity	0.056W/m°C (ASTM D5470)



# Application Procedures for 3M™ Scotchkote™ Poly-Tech RG 600

## Surface Preparation

The Scotchkote Poly-Tech RG 600 system should only be applied to structurally sound roof areas. On flat roofs which have been dressed with large or medium size chippings, these must be removed prior to application. A mechanical flail should be used to remove the chippings and then the area swept down to remove all loose dirt and dust. On asphalt roofs, blisters should be cut out and the void filled with polymer concrete screed. On felt roofs, severe blisters should be cut open and bonded flat.

Any areas of moss or lichen growth should be treated with a proprietary fungicidal wash in accordance with the manufacturer's instructions.

Any surface to be protected must be clean, dry and firm, and this is especially important with metallic, glass or plastic surfaces.

At any wide joints (such as joints on corrugated roofs or poor fitting flashings) or where excessive movements can be expected it is advisable to apply 3M™ 1900 Duct Tape over these areas. To apply the 1900 Duct Tape simply press down firmly, following the contour as far as possible. Finally, ensure the edges of the tape are pressed down to be flush with the surface.

## Priming

**Bituminous and Porous Surfaces:** Surfaces should be primed with 3M™ Scotchkote™ Poly-Tech BP Primer 656. Detailed application procedures are given on the Scotchkote Poly-Tech BP Primer 656 data Sheet.

**Glass and Previously Painted Surfaces:** Surfaces should be primed with 3M™ Scotchkote™ WB Epoxy Primer GP 830. Detailed application procedures are given on the product data sheet.

## 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.

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## Important Notice

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

## 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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**Copper and Ferrous Metal Surfaces:** Surfaces should be primed with 3M™ Scotchkote™ Epoxy Primer MC 135. Detailed application procedures are given on the data Sheet. For coverage rates of primers refer to the appropriate primer tech sheet.

## Applying the System

Scotchkote Poly-Tech RG 600 should not be applied below 5°C, when rain is falling or when rain is imminent, or when humidity exceeds 90%. In winter months due consideration must be given to the early onset of condensation formation in early afternoon and application should be discontinued well before this time.

The Scotchkote Poly-Tech RG 600 system is a two coat system. The product should be applied using a good quality brush or roller allowing a minimum of 2-4 hours between coats. The minimum overcoating interval will depend upon the roof temperature and drying conditions. Provided the first coat is clean there is no maximum overcoating time. Do not apply Scotchkote Poly-Tech RG 600 beyond the areas coated with primer.

## Packaging and Storage

Supplied in 20 litre units.

Use within 2 years of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C .

ALWAYS PROTECT FROM FROST DURING STORAGE AND USE.

## Ordering Information/Customer Service

For ordering, technical and product information or to request a copy of the Material Safety Data Sheet, call +44 (0)1609 780170 or fax +44 (0)1609 783762 (Sales) or 788718 (Technical).

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

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