

# 3M™ Scotchkote™ WB Epoxy Primer GP 830

## Data Sheet and Application Guide

### Product Description

Scotchkote WB Epoxy Primer GP 830 is a member of a range of Scotchkote waterborne coatings and has been specifically developed as a primer/tie coat for use on sealed mineral surfaces and existing coatings.

### Product Features

- Combines good application characteristics with excellent adhesion to a wide variety of surfaces.
- Can be overcoated with a wide range of Scotchkote water-borne, solvent based and 100% solids finishes.

**Adhesion** Excellent on correctly prepared surfaces.

**Chemical Resistance** The fully cured coating offers outstanding resistance to aqueous solutions and a wide range of industrial chemicals.

**Temperature resistance** Dry service temperature range up to 100°C.

### General Application Steps

1. Remove oil, grease and loosely adhering deposits.
2. Appropriately prepare the surface, see page 2 for details.
3. Apply Scotchkote WB Epoxy Primer GP 830 coating at the required thickness.
4. Allow to cure.
5. Visually inspect the coating for defects.
6. Repair all defects.

## Properties

Property	Value
Colour	Off white.
Ratio	3:2 By volume
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Usable Life	1 hour
Touch Dry	4 hours
Hard Dry	8 hours
Overcoating	Minimum 4 hours (walls), 8 hours (floors) Maximum 72 hours
<b>Note:</b> These minimum times relate to overcoating with water based coatings, the times will be extended for solvent based or solvent free coatings for detailed information contact the 3M Northallerton Technical Centre.	
Full Cure	7 days
Volume Solids	46%
Specific Gravity (Average Mixed)	1.5
V.O.C (As Supplied)	Nil
Film Thickness (Typical)	Wet 90 microns. Dry 40 microns
Theoretical Coverage Rate	11.5 sq metres per litre at 40 microns dft.

**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. Detailed system recommendations are available on request.



# Application Procedures for 3M™ Scotchkote™ Epoxy Primer GP 830

## Surface Preparation

**Existing Coatings:** Ensure the surface is free from contamination. Oil and grease must be removed using an approved solvent or detergent solution. All loose or flaking paint should be removed back to a sound substrate.

**Glazed Tiles and Brickwork:** Surfaces must be free from contamination and loose material, oil and grease should be removed by detergent washing. For tiles and glazed surfaces in wet service conditions the surface must be mechanically abraded or light abrasive blasted.

**Plaster:** Surfaces should be clean, dry and free from loose material. Any laitence must be removed by mechanical abrasion.

**Dense Concrete:** Surfaces must be clean, dry and free from oil or grease. All laitence must be removed by mechanical abrasion or light abrasive blasting. All dust and loose material must be removed. New concrete must have cured for a minimum of 28 days.

## Application Procedures

### Product Mixing

The product is a two component material which must be mixed together prior to use. Stir the contents of the Part A (Base) component to incorporate any slight separation, continue stirring and gradually add the total contents of the Part B (Activator) container. Continue stirring until a homogenous mix is obtained.

### Application

Application should not be carried out at temperatures below 5°C nor when relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.

## 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.

3M has no obligation under this warranty with respect to any product that has failed due to inadequate or improper storage, handling, surface preparation, application, or maintenance; failure to follow product instructions or recommendations or alteration or damage to the Product caused by accident, neglect, or misuse. OTHER THAN IN THE CASE OF DEATH OR PERSONAL INJURY CAUSED BY ITS NEGLIGENCE AND EXCEPT WHERE PROHIBITED BY LAW, IN NO EVENT SHALL 3M BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES (INCLUDING LOST PROFITS) ARISING FROM THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ASSERTED.



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**Brush:** Brush application should be carried out using even brush strokes. The product should not be overbrushed, which may lead to lower than specified coating thickness.

**Roller:** The product should be spread evenly over the surface to give a uniform film thickness. Periodic thickness checks should be made to ensure that correct uniform thickness is achieved.

All equipment must be cleaned IMMEDIATELY after use with water, stubborn deposits may be removed by the use of 3M™ Scotchkote™ 020 Cleaner.

## Packaging and Storage

Supplied in 2½, 5 and 20 litre units.

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