

# 3M™ Scotchkote™ Epoxy Wall Coating WB 800

## Data Sheet and Application Guide

### Product Description

Scotchkote Wall Coating WB 800 is a member of a range of Scotchkote™ waterborne coatings and has been specifically developed to provide a durable finish for use on internal walls and ceilings.

### Product Features

- Combines good application characteristics with excellent gloss retention.
- Being water borne presents no odour during application.
- Tested for limited fire hazard performance in conjunction with 3M™ Scotchkote™ WB Epoxy Primer GP 830.

**Abrasion** Good resistance to abrasion and mechanical damage. **Adhesion** Excellent on correctly prepared and primed surfaces. **Chemical Resistance** The fully cured coating offers excellent resistance to aqueous solutions, oils, fats and a wide range of industrial chemicals.

**Temperature resistance** Dry service temperature range up to 80°C.

### General Application Steps

1. Ensure primed surface is clean, dry and free from contamination.
2. Apply Scotchkote Wall Coating WB 800 coating at the specified thickness.
3. Allow to cure.
4. Visually inspect the coating for defects.
5. Repair all defects.

### Properties

Property	Value
Colour	Manufactured to order from a select range of BS or RAL colour standards. <b>Note:</b> Not colour stable, where a colour stable finish is required it must be overcoated with an appropriate top coat.
Ratio	4:1 By volume
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Usable Life	2 hours
Touch Dry	4 hours
Hard Dry	16 hours
Overcoating Minimum	6 hours
Maximum	5 days
Full Cure	7 days
Volume Solids	50%
Specific Gravity (Average Mixed)	1.28
V.O.C (As Supplied)	Nil
Film Thickness (Typical)	Wet 100 microns. Dry 50 microns
Theoretical Coverage Rate	10sq metres per litre at 50 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.

**Fire Performance Test Data**  
S476 – Part 7 Class 1  
Surface Spread of Flame  
(When tested in combination with Scotchkote WB Epoxy Primer GP830)

BS476 – Part 6 Class 0 in accordance with UK Building Regulations  
(When tested in combination with Scotchkote WB Epoxy Primer GP830)

BS6853 – Annex D section 8.4 (Panel Test)  
(When tested in combination with Scotchkote WB Epoxy Primer GP830)

# Application Procedures for 3MTM Scotchkote™ Epoxy Coating Wall Coating WB 800

## Surface Preparation

All surfaces should be prepared and primed in accordance with the appropriate 'SYSTEM RECOMMENDATION'. Primed surfaces should be clean, dry and free from contamination.

## Application Procedures

### Mixing

The product is a two component water based product, both components must be mixed together prior to use. The Part A component should be stirred to incorporate any slight separation. The Part B component should be slowly added whilst continuing stirring until a uniform homogeneous mix is obtained. The mixed material must be used within 2 hours of mixing at 20°C (68°F)

### Product Mixing

Scotchkote Epoxy Ceramic Surfacer FG 512 is a two component material comprising Part A and Part B components which must be mixed together before use. Mix the entire contents of the Part A and Part B containers. Alternatively measure three volumes of base component and one volume of activator into a clean container. The two components should be thoroughly mixed until completely streak free. The mixed material should be used within 25 minutes of mixing at 20°C (68°F). This time will be reduced at higher temperatures and extended at lower temperatures.

### 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. The product can be applied by brush or roller.

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

**Roller:** The product should be spread evenly over the surface at a nominal film thickness of 100 microns (4 mils) wet. Periodic thickness checks should be made to ensure the 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 5 and 20 litre packs.

Use within 2 years of date of manufacture. Store in original sealed containers at temperatures between 5°C and 30°C.

Protect from frost during storage and use.

## 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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## Ordering Information/Customer Service

**01462 421 333**

Wall Coating WB 800-1010