

# 3M™ Scotchkote™ System Application Guide

## High performance 25 year waterproofing system for Wooden Deck Balcony Area's

### SKR.36WB2 - Issue 1

Surface Preparation and Cleaning	As required
Priming	3M™ Scotchkote™ Urethane Primer FB 856 @ 75µ
Detailing and Joints	3M™ Scotchkote™ Poly-Tech EC 661 3M™ 1900 Duct Tape 3M™ Scotchkote™ Premier Reinforcing Mat 050 (10"wide)
Embedment Coat(s)	3M™ Scotchkote™ Poly-Tech EC 661 @ minimum 2.0 litre/m <sup>2</sup> 3M™ Scotchkote™ Premier Plus Reinforcing Mat 055  3M™ Scotchkote™ Poly-Tech EC 661 @ 0.5 litre/m <sup>2</sup>  3M™ Scotchkote™ Poly-Tech EC 661 @ 0.5 litre/m <sup>2</sup> scattered with 3M™ Scotchkote™ Granular Aggregate LD 092 @ 0.75 kg/m <sup>2</sup>
Finish Coats	3M™ Scotchkote™ Poly-Tech UV 662 @ 0.5 litre/m <sup>2</sup>

**If applied in accordance with this Application Guide,  
SKR.36WB2 has an expected service life of 25 years.**

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## Surface Preparation

All dirt, silt and other contamination should be swept from the surface.

All protruding nails must be hammered down and any weak sections of timber should be replaced or reinforced.

All flashings must be flush with the substrate. Any old paint or areas of moss and lichen should be thoroughly scraped to remove all deposits, and then swept to ensure complete removal of all dust and dirt.

All corroded areas should be patch primed with **3M™ Scotchkote™ Epoxy Primer GP 120** in accordance with the product data sheet. Any clean metal, fibreglass and patch primed surfaces, should be coated with **3M™ Scotchkote™ Urethane Primer MC 135** in accordance with the product data sheet.

Areas which have been subject to moss and lichen should now be treated with a proprietary fungicidal wash and allowed to dry in accordance with manufacturers instructions.

Areas of concrete should be swept free of loose material and then primed with **3M™ Scotchkote™ Urethane Primer FB 856**.

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## Application of 3M™ Scotchkote™ Urethane Primer FB 856

All surfaces should be clean.

It is recommended that prior to coating, the substrate should be dry and the moisture content should be checked using a proprietary surface moisture indicator such as an Elcometer 7420 Digital Moisture Meter. When tested in accordance with the manufacturers instructions the reading should be classified as 'dry'.

**Scotchkote Urethane Primer FB 856** is a single component material which should be stirred or shaken immediately prior to use to ensure the material is completely homogeneous. **Scotchkote Urethane Primer FB 856** should be applied using a good quality brush or roller.

On rough surfaces, **Scotchkote Urethane Primer FB 856** should be stippled into the surface to ensure complete wetting of the substrate. Care should be taken to avoid excessive thickness and ponding of the **Scotchkote Urethane Primer FB 856**.

**Scotchkote Urethane Primer FB 856** can be overcoated after a minimum drying interval of 4 hours and within 7 days at 20°C. The following table is given as a guide for different temperatures.

	<b>MINIMUM</b>	<b>MAXIMUM</b>
10°C	8 hours	10 days
15°C	6 hours	8 days
20°C	4 hours	7 days
25°C	3 hours	5 days
30°C	2 hours	3 days

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## Detailing and joints

All upstands, movement, cracks and expansion joints along with any other areas where movement could occur should first be covered with **3M™ 1900 Duct Tape** as a bond break detail.

It is not normally necessary to reinforce felt/carrier membrane overlap joints unless there is doubt about the integrity of the overlap.

The tape should be laid over the joint and pressed firmly onto the surface, with care being taken to ensure the edges of the tape are firmly adhered.

**3M™ Scotchkote™ Premier Reinforcing Mat 050** should now be used as a reinforcement membrane over treated movement joints together with all angle joints with protrusions and upstands.

**Scotchkote Premier Reinforcing Mat 050** should also be used to reinforce all valley gutters with the membrane being overlapped up onto the roof panels.

**3M™ Scotchkote™ Poly-Tech EC 661** should be applied to the areas to be treated at a nominal rate of 8 linear meters per litre on joints and 0.7 litre/m<sup>2</sup> in gutters. **Scotchkote Premier Reinforcing Mat 050** should then be laid loosely over the **Scotchkote Poly-Tech EC 661** and then brushed through to totally wet out and encapsulate the sheet, taking care to encapsulate the edges. Adjacent lengths/sections of the mat should be overlapped to ensure a minimum 1-2 cm's (0.4 - 0.8 inch) overlap after coating.

**Note:** For treating joints, special 10in wide rolls of mat are available.

**Terminations** :- Follow guidelines as stated in LRWA - Code of Practice Roofs - Specification & use of Liquid Applied Roofing Systems, Guidance Notes 1-6.

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## Application of 3M™ Scotchkote™ Poly-Tech EC 661

**Scotchkote Poly-Tech EC 661** should be applied to the remaining surfaces using medium pile rollers.

**3M™ Scotchkote™ Premier Reinforcing Mat 055** should be used as the reinforcing membrane over the entire surface to provide a 25 year waterproofing system.

**Scotchkote Premier Plus Reinforcing Mat 055** should then be rolled out over the coated surface following any contours and rolled in to the wet **Scotchkote Poly-Tech EC 661**.

Adjacent widths of **Scotchkote Premier Reinforcing Mat 055** should be overlapped to ensure a minimum 1-2 cm's (0.4 - 0.8 inch) overlap after coating

**Scotchkote Premier Reinforcing Mat 055** should also be overlapped 1-2 inches on to the treated reinforced up stands, parapets, joints and corners to maintain a continuous reinforcement.

A further application of **Scotchkote Poly-Tech EC 661** should be rolled through the **Scotchkote Premier Reinforcing Mat 055** on any areas not completely wetted to totally encapsulate and impregnate the matting, if required.

The coverage rate of the **Scotchkote Poly-Tech EC 661** should be 2.0 litre/m<sup>2</sup> with **Scotchkote Premier Plus Reinforcing Mat 055**.

These coverage rates must be adhered to as closely as possible to ensure the correct film thickness of the embedment layer is achieved.

**Scotchkote Poly-Tech EC 661** can be overcoated after a minimum of 16 hours @ 20°C. At lower temperatures, this time will be increased.

Provided surfaces are clean, there is no maximum overcoating time.

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## Application of Two Further Coats of 3M™ Scotchkote™ Poly-Tech EC 661

Prior to the application of the second coat, the first coat of **Scotchkote Poly-Tech EC 661** must be dry and free from contamination.

The second coat of **Scotchkote Poly-Tech EC 661** should be applied to give a uniform even coating totally obliterating the embedment coat at a nominal dry film thickness of 350 microns, this equates to a coverage rate of 0.5 ltr/m<sup>2</sup> on smooth surfaces.

The second coat of **Scotchkote Poly-Tech EC 661** should be allowed a minimum of 16 hours drying before overcoating.

If a slip resistant surface is required a third coat of **Scotchkote Poly-Tech EC 661** including an aggregate should be applied.

The second coat of **Scotchkote Poly-Tech EC 661** must be completely dry, clean and free from contamination.

A third coat of **Scotchkote Poly-Tech EC 661** should now be applied at a nominal rate of 0.5ltr/m<sup>2</sup>, and whilst the coating is still wet the surface should be completely covered with **3M™ Scotchkote™ Granular Aggregate LD092** or equivalent.

The third coat of **Scotchkote Poly-Tech EC 661** plus Aggregate should be allowed a minimum of 16 hours to dry.

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## Application of 3M™ Scotchkote™ Poly-Tech UV 662

Prior to application of **Scotchkote Poly-Tech UV 662**, **3M™ Scotchkote™ Poly-Tech EC 661** must be dry and free from contamination.

**Scotchkote Poly-Tech UV 662** is a single component high solids colour stable finish supplied ready for use.

**Scotchkote Poly-Tech UV 662** should be applied by brush or roller, with rollers being preferred for large applications.

**Scotchkote Poly-Tech UV 662** should be applied to give a uniform even coating totally obliterating the embedment coat at a nominal dry film thickness of 350 microns, this equates to a coverage rate of 0.5 ltr/m<sup>2</sup> on smooth surfaces.

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SKR.36AB2

## Notes

## Document References

3M™ Scotchkote™ Urethane Primer FB 856                      Product Technical Data Sheet  
3M™ Scotchkote™ Poly-Tech EC 661  
3M™ Scotchkote™ Poly-Tech UV 662

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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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