

3M™ Scotchkote™  
Roofing



# Liquid Roofing Solutions

## For a Changing World

Copon™ and Thortex™ have been rebranded to form part of the Scotchkote range of products from 3M.

**3M**

# Seamless, whole life roof protection



## 3M™ Scotchkote™ Roofing Products

# What could be more fundamental than the roof over our heads? What is precious to us all...shelter?

3M™ Scotchkote™ Roofing brings the innovation of a global leader in technology to protect and shelter our assets and our people while providing systems which give us sustainable, long term roof protection in all environmental situations.

Our innovation in Scotchkote Liquid Roof Membrane systems goes beyond the conventional methods of roofing.

3M has consistently delivered an extensive range of products, expertise and services to over 200 countries throughout the world for over 100 years. Scotchkote roofing manufactures and supplies a comprehensive range of zero heat, liquid roof membranes used in countries across the globe. These products have been applied in every conceivable situation and climate, performing to the highest standards expected of a 3M product.

Scotchkote roofing provide specifiers, contractors and customers an unrivalled service from initial planning to product application. Couple this with comprehensive technical support and technologically advanced materials, this provides roofing solutions you can rely on.

“We will protect the most  
precious things in your world...  
people, assets, environment”

# Innovation Beyond Convention





# Sustainable Solutions

All roof surfaces are subject to continual attack from the weather and from environmental pollution. During the life span of a roof, its surface is subjected to constant differential movement and degradation which, if left unchecked, will lead to premature roof failure.

Experience proves that many traditional flat roofing materials, particularly felts, asphalt and other tar based products, are prone to early failure. They are subject to embrittlement, substrate movement and heat absorption, causing fatigue within the material and failure at joints - leading inevitably to breakdown and subsequent water ingress.

Scotchkote liquid roofing membranes offer sustainable advantages over traditional roofing materials with a range of systems that can meet varied and differing requirements - with anticipated life times up to 25 years.

These tough, seamless systems give exceptional durability, exceeding many times the life of traditional resurfacing systems. Our liquid roofing membranes can be used on all types of roofs and are designed for both new build and refurbishment projects and are especially effective when dealing with complex problem areas such as valley gutters, parapet walls, roof plant and air vents.

Scotchkote roof membrane systems provide a lasting barrier to water penetration, do not embrittle and are highly resistant to sunlight. They are easy to apply and complex areas are easily waterproofed and weatherproofed. When upgrading, it is not always necessary to remove the existing failed roofing materials so there is a minimum requirement to protect the building while the roof is exposed to the

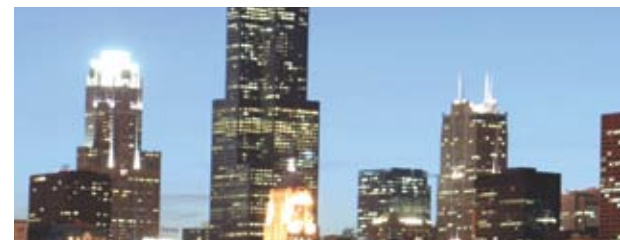
elements, therefore little or no disruption to the normal routines of the buildings occupants.

Once applied, the seamless, elastic skin permits natural substrate movements without surface cracking and the water vapour permeable formulation allows the building to breathe preventing any build up of condensation.

These systems are virtually unaffected by sunlight and give excellent thermal stability, eliminating the need for solar reflective chippings that increase the weight loading on flat roof areas.

This technology is brought to you by a company with a worldwide reputation for leading the way in innovation for the future. With the growing emphasis on environmental issues, our liquid roof membrane systems are a strong and clean natural choice to traditional tar based products, normally applied using hot works at height. These systems are cold applied – zero heat, using brush and rollers.

## 3M™ Scotchkote™ Liquid Roof Membrane Systems



3M™ Scotchkote™ Long Term Roof Membrane Systems are the ideal solution to lasting peace of mind.

Scotchkote liquid roof membranes provide expected life of 15 to 25 years waterproofing and weatherproofing for both flat and pitched roof areas. These systems are based on Scotchkote roofing products Poly-Tech EC 661 and Poly-Tech UV 662. Flat roofs must be fully reinforced with either Scotchkote 100gm Premier 050 reinforcing mat or 225gm Premier Plus 055 reinforcing mat depending on the chosen system. Pitched roofs are locally reinforced on all joints, overlaps and bolt heads with Scotchkote 100gm Premier 050 reinforcing mat in 10" wide rolls.

These materials are high solids, solvent based, elastomeric, moisture triggered polyurethanes that when fully cured, form a seamless, excellent durable waterproof membrane for all types of roofs.

These liquid roof membrane systems are comprised of two layers of aliphatic moisture triggered polyurethanes, a black base, embedment coat into which, on flat roofs, a fibre glass reinforcing mat is encapsulated. The second coat is a UV stable top coat in a choice of standard roofing colours.

Our long term roof membrane systems offer anticipated

life time on flat roofs up to 25 years. On pitched roofs we provide anticipated life time up to 20 years.

These systems have been applied extensively throughout the world with exceptional performance and durability. Many Local Authorities with green credentials specify this type of system exclusively due to their environmental advantages over tar based materials. Insurance costs are also reduced because there is zero heat during application.

Scotchkote Premier and Premier Plus systems may be used on virtually any substrate and in most instances can be applied directly to the roof without having to strip off the existing substrate material. This removes the requirement to dispose of failed materials in landfill that, in turn, is helping to save our planet.

Better still, the life to first maintenance period can be increased easily with just a clean off and a further application of a Scotchkote liquid roof membrane system. What could be more simple?

# Lasting Peace of Mind





# Solutions For Any Time, Any Place

## Summer

3M™ Scotchkote™ Roofing Poly-Tech 665 and Poly-Tech CSM 658 liquid roof membrane systems are our water based materials and are totally VOC free therefore offering a clean, easy to use roofing solution.

Scotchkote Poly-Tech 665 and Poly-Tech CSM 658 are single component, water based formulations containing a complex blend of acrylic resins and hydrocarbon polymers reinforced with inorganic fibres and reinforcing agents. This blend gives a system with outstanding weatherproofing and waterproofing capabilities.

Both systems have an anticipated life time up to 10 years and provide optimum levels of UV resistance, flexibility,

adhesion and durability for any roof surface including bitumen, asphalt, felt, concrete and any metal surface.

The water based formulation makes the material free from odour and any toxic risk making it an ideal application for sensitive areas and industries such as Food and Drink manufacturing and Pharmaceutical industries.

Scotchkote Poly-Tech 665 is applied by brush or roller and Scotchkote Poly-Tech CSM 658 is specially formulated for spray application.

Both are ideal for flat or pitched roofs.

## Winter

Scotchkote roofing Poly-Tech WG 663 has been specially formulated to allow low temperature application.

Its special blend of flexibilised acrylic resins and inert pigments and fillers give the material the ability to remain stable and fluid for application in the coldest of climates.

Scotchkote roofing Poly-Tech WG 663 is expected to give 10 years life to first maintenance with further upgrading made simple and easy with just another coat.

Flat roofs are fully reinforced with Scotchkote 100gm Premier 050 reinforcing mat whilst pitched roofs require only local reinforcing on joints and seams. The system has been tested to BS476: Part 3: 1958 for External Fire Exposure and carries an AA rating.

This system has a proven track record of reliability and has been extensively specified by The Home Office for the refurbishment of prison roofs for many years. It is a contractor's favourite because of its reliability and ease of application. Poly-Tech WG 663 gives a strong and durable, seam free membrane with outstanding flexibility.

Designated access and pedestrian walkways are easily incorporated in these systems by introducing a slip resistant grip into the coating.

## 3M™ Scotchkote Liquid Roof Membrane System Index

Products	System Name	Roof Type	Life to First Maintenance
Seal-Tech AW 654	Emergency	N/A	N/A
Seal-Tech LS 657	Short Term	Flat & Pitched	5 years
Poly-Tech 665	Summer Grade	Flat & Pitched	10 years
Poly-Tech CSM 658	Summer Spray Grade	Flat & Pitched	10 years
Poly-Tech WG 663	Winter Grade	Flat & Pitched	10 years
Poly-Tech EC 661 / UV 662	Premier Pitch	Pitched Roofs	15 years
Poly-Tech EC 661 / UV 662	Premier Flat	Flat Roofs	15 years
Poly-Tech EC 661 / UV 662	Premier Plus Pitch	Pitched Roofs	20 years
Poly-Tech EC 661 / UV 662	Premier Plus Flat	Flat Roofs	25 years

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### **Important Notice**

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

#### **Warranty; Limited Remedy; Limited Liability.**

3M's product warranty is stated in its Product Literature available upon request. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



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