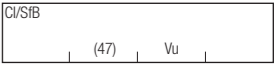


# 3M™ Scotchkote™ Roofing

## 20 Year Premier Plus Pitched / Sloped Roof System



### A track record of success

The following list represents just a small selection of the many clients who have used 3M™ Scotchkote™ liquid roof membrane systems:

- H J Heinz & Co
- Cardinal Health
- University of Wales
- HSBC Bank
- Lewisham Hospital
- National Grid
- Manchester University
- Glaxo SmithKline
- Sedgemoor District Council

### 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
Therma-Tech RG 600	Solar Reflective	Flat & Pitched	10 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 / Sloped	15 Years
Poly-Tech EC 661/UV 662	Premier Flat	Flat / Inverted	15 Years
Poly-Tech EC 661/UV 662	Premier Plus Pitch	Pitched / Sloped	20 Years
Poly-Tech EC 661/UV 662	Premier Plus Flat	Flat / Inverted	25 Years



Scotchkote roofing Poly-Tech EC 661 / Poly-Tech UV 662 Premier Plus liquid roof membrane system carries approval certification from The British Board of Agrément (BBA).  
Certificate Number: 08 / 4572



Scotchkote roofing Poly-Tech EC 661 / Poly-Tech UV 662 Premier Plus liquid roof membrane system carries European Technical Approval (ETA) issued by The British Board of Agrément (BBA).  
Certificate Number: 05 / 0056



Scotchkote roofing CPD Seminar  
"The Design & Specification of Liquid Applied Roof Membrane Systems" is approved by The Royal Institute of British Architects (RIBA)



Scotchkote liquid roof membrane systems can be found in Section J43 of National Building Specification Plus



Scotchkote roofing is a full manufacturer member of the European Liquid Waterproofing Association (ELWA)  
For further guidance on liquid roof membrane systems go to [www.elwassociation.org.uk](http://www.elwassociation.org.uk)



The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended.

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



### Corrosion Protection Products 3M United Kingdom plc

Standard Way  
Northallerton  
North Yorkshire  
DL6 2XA  
Tel: +44 (0) 1609 780170  
Fax: +44 (0) 1609 788707  
[roofing.cpp.uk@mmm.com](mailto:roofing.cpp.uk@mmm.com)  
[www.3m.co.uk/scotchkote](http://www.3m.co.uk/scotchkote)

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RSL611/1





# 20 Year Premier Plus Pitched / Sloped Roof System

3M™ Scotchkote™ Roofing 20 year life to first maintenance system is a solvent based, high build, elastomeric moisture triggered polyurethane membrane for pitched and sloped roof areas (<15°).

Scotchkote roofing 065 Bridging Tape is used to bridge movement joints, seams and overlaps to create the bond breaks required to allow movement in the structure before being reinforced with Scotchkote 100gm Premier 050 Reinforcing Mat. The reinforcing mat is laid into a stripe coat of Scotchkote roofing Poly-Tech EC 661, the embedment coat of the system and totally encapsulated. Scotchkote Poly-Tech EC 661 is a black, durable waterproofing membrane with excellent wetting characteristics for embedment of the fibre glass reinforcing mat.

To give the overall system UV stability so that it will not embrittle, a top coat of Scotchkote roofing Poly-Tech UV 662 is applied. This is available in a choice of colours and provides an easily cleaned and maintained finish.

These two components cure together to form a seamless, durable coating for all types of pitched and corrugated sloping roofs. Valley gutters can be incorporated into the system with full reinforcing to integrate into a totally seamless membrane.

## Features

- Full UV resistance - Will not fade
- Only local reinforcement required
- No priming normally required
- Superb adhesion to most substrates
- Will not embrittle or chalk
- Can be spray applied
- Non foaming formulation
- Shapes and contours easily incorporated
- Upgrade for further design life easily
- AA - Fire resistance rating

## Benefits

- 20 years life to first maintenance
- Minimal disruption to building function
- Ideal for asbestos encapsulation
- Easily spot repaired
- Single pack formulations
- Totally seamless
- Easily incorporates valley gutters
- Cold applied - No hot works during application
- Flexible - Will not crack
- European Technical Approval
- BBA Accreditation

## AREAS OF USE

**Corrugated Metal Roofs** - Ideal system to fully waterproof corrugation

**Barrelled Roofs** - High build can be applied in one coat with no sagging

**Mineral Felt** - Complete waterproofing without the need to strip off existing failed felt



Before



After



Before



After

**Plastisol / PVF Roofs** - Retards cut edge corrosion and reinstates plastisol coated roofs and vertical cladding

**Domed Roofs** - Totally seamless finish with no joints or welds

**Previously Coated Roofs** - Provides a whole life solution for coated roof areas

	SCOTCHKOTE POLY-TECH EC 661	SCOTCHKOTE POLY-TECH UV 662
Mixing Ratio:	Supplied ready for use	Supplied ready for use
Appearance:	Viscous thixotropic liquid	Viscous thixotropic liquid
Colours:	Black	White, Light Grey, Mid Grey, Dark Grey, Copper Green
Pack Sizes:	12.5 litre	12.5 litre
Volume Solids:	77%	70%
V.O.C. Content:	190 gm / litre	260 gm / litre
<b>Drying &amp; Curing times at 20°C (68°F)</b>		
Touch Dry:	2-3 hours	2-3 hours
Through Dry:	5-6 hours	6-8 hours
Minimum Overcoating:	6-8 hours	6-8 hours
Maximum Overcoating:	Indefinite (Providing surface is clean and dry)	Indefinite (Providing surface is clean and dry)
Full Cure:	7 days	7 days
<b>Physical Properties</b>		
Impact Resistance ASTM D2794	13.55 Joules (120 in lbs)	13.55 Joules (120 in lbs)
Elongation ASTM D412	200%	280%
Direct Pull Adhesion ASTM D4541 (concrete failure)	35 kg/cm <sup>2</sup> (500 psi) - Concrete	35 kg/cm <sup>2</sup> (500 psi) - Concrete
*Water Vapour Permeability ASTM D1653	2 x 10 <sup>-4</sup> perm.cm	2 x 10 <sup>-4</sup> perm.cm
Tear Strength ASTM D624	19.1 N/mm	35.0 N/mm
Tensile Strength ASTM D638	4.77 N/mm <sup>2</sup> (700 psi)	10.29 N/mm <sup>2</sup> (1500 psi)
UV Resistance ASTM G53		Unaffected 5,000 hours QUV-B

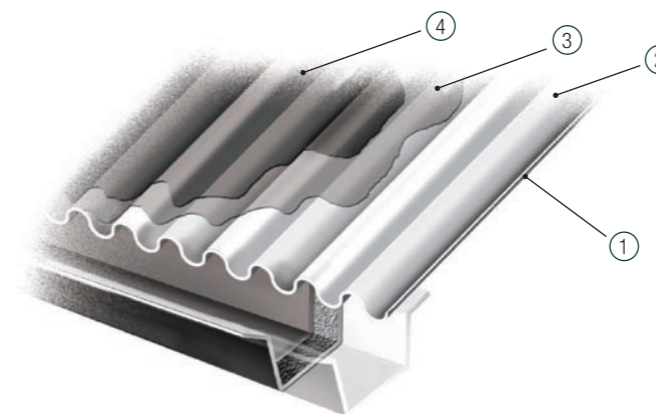
\*Water Vapour Permeability data is for the complete Scotchkote roofing Poly-Tech EC 661 / Poly-Tech UV 662 System

**Thermal Conductivity Data**  
Scotchkote Poly-Tech EC 661 - 0.342 W/m\*K  
Scotchkote Poly-Tech UV 662 - 0.249 W/m\*K

**Health & Safety**  
As long as normal good practice is observed Scotchkote roofing Poly-Tech EC 661 and Scotchkote roofing Poly-Tech UV 662 can be safely used.  
Both materials are flammable and should be stored away from sources of ignition. Adequate ventilation must be provided during use.  
A fully detailed Material Safety Data Sheet is supplied with the material on delivery. MSDS information is also available on request from 3M Northallerton.

**Fire Performance**  
External Fire Exposure Roof Test  
BS476 Part 3: 1958  
Pass Category: EXTS.AA  
Test completed on complete Scotchkote roofing Poly-Tech EC 661 / Poly-Tech UV 662 Reinforced System

**Environment**  
Scotchkote roofing Poly-Tech EC 661 and Scotchkote roofing Poly-Tech UV 662 manufactured to ISO 14001 Environmental Management Standards.



## 20 Year Scotchkote Roofing Premier Plus Pitched / Sloped Roof System

1. Roof Substrate
2. Scotchkote primer (if required)
3. 1st Coat Scotchkote Poly-Tech EC 661
4. Finish Coat Scotchkote Poly-Tech UV 662