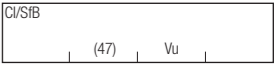


3M™ Scotchkote™ Roofing

25 Year Premier Plus Flat / Inverted 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:

- Dublin Airport
- Grosvenor House Hotel
- Bradford Borough Council
- HSBC Bank
- Boots the Chemist
- Ministry of Defence
- Birmingham Council
- Halifax Building Society
- Northumbrian Water Authority

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



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.



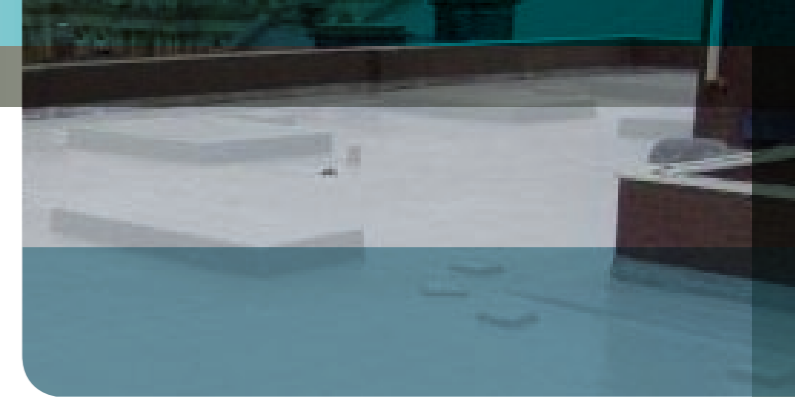
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RSL612/1



25 Year Premier Plus Flat / Inverted Roof System



3M™ Scotchkote™ Roofing 25 year life to first maintenance flat / inverted roof system comprises of Scotchkote roofing Poly-Tech EC 661 embedment coat and Scotchkote roofing Poly-Tech UV 662 finish coat fully reinforced with Scotchkote roofing 225gm Premier Plus 055 reinforcing mat. This system is a high build, moisture triggered polyurethane membrane that cures together to form a seamless, durable waterproof coating for all flat roof types.

Scotchkote Poly-Tech EC 661 is the first, embedment, coat of this system. It has excellent wetting characteristics to allow easy embedment of the reinforcing mat. This cost effective base coat has excellent adhesion to most roof surfaces and is fully resistant to rainfall and ponding water.

Scotchkote Poly-Tech UV 662 is designed for use as the finish coat of this system, fully encapsulating the embedment coat. This material is highly UV stable and will not embrittle or chalk. Available in a choice of standard roofing colours this material completes the 25 year system and provides an exceptional barrier to water ingress.

Features

- Outstanding waterproofing & weatherproofing
- Life to first maintenance of 25 years
- Excellent UV resistance
- Will not embrittle with age
- Superb flexibility
- Easily moulded around roof furniture
- Non water reactive - No foaming
- Suitable for virtually any roof type
- Application by brush, roller or spray
- Fast curing



Before



After

Benefits

- Totally seamless finish
- Once applied becomes integral part of the roof
- Fire resistance rating - AA
- Reduces roof weight loadings
- Cold applied - No hot works during application
- Minimal disruption to normal building function
- Water vapour permeable
- European Technical Approval
- British Board of Agrément certification
- Ideal for "busy" roof areas



Before



After

AREAS OF USE

Flat Asphalt Roofs - Will reduce weight loading and provide long term waterproofing

Upstands & Parapet Walls - Provides the complete waterproofing and weatherproofing interface between roof substrates

Felt Roofs - Provides a complete seamless flexible membrane which will halt felt degradation

Insulation Boards - A seamless membrane either on carrier felt or directly onto taped and primed boards

Cement Roofs - Does not add to weight of roof and complete encapsulation prevents saturation of concrete slabs

Green Roofs - Provides the strong membrane required for long term green roof requirements

Balconies and walkways - Easy to incorporate grip systems and colour demarcation areas, hazards warnings etc

	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
Drying & Curing times at 20°C (68°F)		
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
Physical Properties		
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 ² (500 psi) - Concrete	35 kg/cm ² (500 psi) - Concrete
*Water Vapour Permeability ASTM D1653	2 x 10 ⁻⁴ perm.cm	2 x 10 ⁻⁴ perm.cm
Tear Strength ASTM D624	19.1 N/mm	35.0 N/mm
Tensile Strength ASTM D638	4.77 N/mm ² (700 psi)	10.29 N/mm ² (1500 psi)
UV Resistance ASTM G53		Unaffected 5,000 hours QUV-B

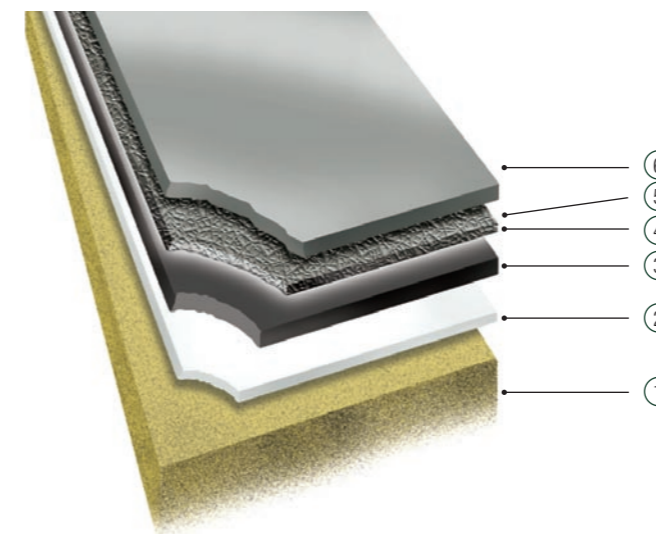
*Water Vapour Permeability data is for the complete Scotchkote roofing Poly-Tech EC 661 / Poly-Tech UV 662 System

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.



25 Year Scotchkote Roofing Premier Plus Flat / Inverted Roof System

1. Roof Substrate
2. Scotchkote primer (if required)
3. 1st Coat Scotchkote Poly-Tech EC 661
4. Scotchkote 225gm Premier Plus 055 reinforcing mat
5. 2nd Coat Scotchkote Poly-Tech EC 661
6. Finish Coat Scotchkote Poly-Tech UV 662