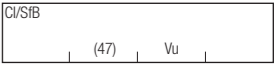


3M™ Scotchkote™ Roofing

15 Year Premier 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:

- Sedgemoor District Council
- Endsleigh Insurance Co
- National Grid
- Guys Hospital, London
- Warwick University
- Northumbrian Water Authority
- Bolsover District Council
- H M Prison Service
- Wiggins Special Metals

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 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 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.



Corrosion Protection Products

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RSL609/1



15 Year Premier Flat / Inverted Roof System



3M™ Scotchkote™ Roofing 15 year life to first maintenance flat roof system is a combination of two moisture triggered aliphatic polyurethanes. The complete system is an elastomeric, high build, high solids system which provides a seamless durable membrane to waterproof and weatherproof flat roofs for a minimum of 15 years. Comprising of Scotchkote roofing Poly-Tech EC 661 embedment coat, fully reinforced with Scotchkote roofing reinforcing mat, and Scotchkote roofing Poly-Tech UV 662 finish coat this system gives a medium term, cost effective barrier to water penetration on all flat roof types.

The embedment coat of the system, Scotchkote roofing Poly-Tech EC 661, accepts Scotchkote 100gm Premier 050 reinforcing mat to provide total reinforcement of the flat roof. This embedment coat adheres to most roof surfaces without a primer and is completely seamless.

To complete the system a finish coat of Scotchkote roofing Poly-Tech UV 662 is applied overall to protect the waterproof membrane from the effects of sunlight. This coating will not embrittle or chalk and the complete system is cold applied so there are no hot works, at height, during the application.

Features

- Fast curing
- No embrittlement
- Easy joint bridging
- High build
- UV resistant
- Fire resistance rating - AA
- Single pack formulations
- Seamless - No welds or joints
- Non water reactive - Will not foam
- Highly flexible



Before



After



Before



After

Benefits

- 15 years life to first maintenance
- All year round application
- Complex shapes easily covered
- Minimal disruption while work in progress
- Easily spot repaired
- Reduces roof weight loadings
- Cold applied - No hot works
- British Board of Agrément certificate
- Suitable for virtually all roof types
- Easily extended guarantees

AREAS OF USE

Felt Roofs - Waterproofs felts, seamlessly, without the cost of stripping the existing failed materials

Flat Asphalt Roofs - Provides a flexible system that will not embrittle with age and UV exposure

Upstands & Parapet Walls - Easy finishing and detailing without chasing into brickwork or needing edge trims

Metal Roofs - Upgrades and waterproofs corrugated tin roofs and reinstates PVF / plastisol cladding

Insulation Boards - An ideal membrane for built up, insulated roofs

Cement Roofs - Prevents osmosis of slab from water ingress by encapsulating the complete substrate

Corrugated Roofs - Negates the requirement to strip asbestos sheets by encapsulating the whole substate

| | 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 |

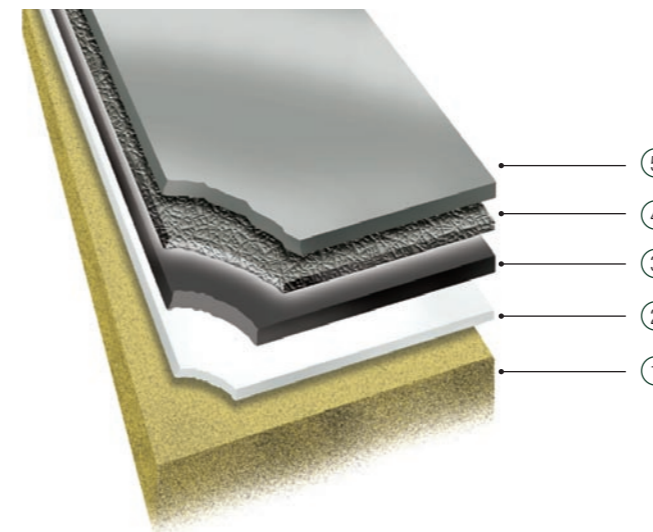
*Water Vapour Permeability data is for the complete Scotchkote roofing Poly-Tech EC 661 / Poly-Tech UV 662 System

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: EXT.FAA
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.



15 Year Scotchkote Roofing Premier Flat / Inverted Roof System

1. Roof Substrate
2. Scotchkote primer (if required)
3. 1st Coat Scotchkote Poly-Tech EC 661
4. Scotchkote 100gm Premier 050 reinforcing mat
5. Finish Coat Scotchkote Poly-Tech UV 662