

3M™ Scotchkote™ Roofing

5 Year Short Term Flat & Pitched 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 M Prison Service
- BarloWorld Handling
- Marks & Spencer
- Lambeth Borough Council
- Portacabin
- Greenwich Borough Council
- Dacorum District Council
- Bolsover Council
- Granada Television

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 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 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
www.3m.co.uk/scotchkote

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5 Year Short Term Flat & Pitched Roof System



3M™ Scotchkote™ Roofing Seal-Tech LS 657 is a low cost, high performance all weather coating for short term waterproofing with a life to first maintenance period of 5 years on all types of flat and pitched roofs. The advanced technology of Scotchkote roofing Seal-Tech LS 657 has produced a material that, in a single application, will waterproof instantly the substrate involved. The material is fibre reinforced and its formulation includes dewatering polymers and surface wetting agents that allow application in falling rain and temperatures down to 0°C (32°F). Scotchkote roofing Seal-Tech LS 657 will exhibit excellent adhesion to the underlying surface during the lifetime of the roof, making this product ideal for cost effective asbestos encapsulation.

Features

- Fibre reinforced
- Ideal for both pitched & flat roofs
- Single coat system
- Adverse weather application
- Excellent adhesion
- Simple brush / squeegee application
- Low temperature application
- No primer usually required

Benefits

- 5 years life to first maintenance
- Can be used on most substrates
- Non-bituminous
- Ideal for asbestos encapsulation
- Minimal surface preparation
- Comes "ready to use"
- Repairs leaking single ply membranes
- Fire resistance rating – AA

AREAS OF USE

Asbestos Roofs - Cost effective asbestos cement sheet encapsulation

Flat Asphalt Roofs - Short term solution to flat roof waterproofing

Mineral Felt Roofs - Single coat application with no priming required

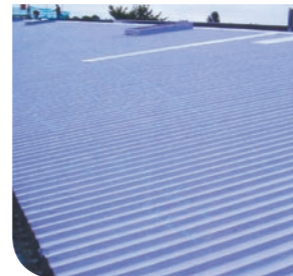
Single Ply Membrane Roof Areas - Seals leaks and waterproofs joints and seams

Gutters - Waterproofs all types of gutters with only local reinforcement required

Flat Roofs Areas - Weatherproofs and waterproofs without the need to strip off existing roof materials



Before



After



Before



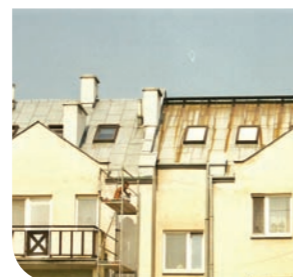
After



Before



After



Before



After

SCOTCHKOTE SEAL-TECH LS 657

Mixing Ratio:	Supplied ready for use
Appearance:	Viscous coloured thixotropic liquid
Colours:	White, Light Grey, Mid Grey, Black
Pack Sizes:	5 kg or 20 kg
Volume Solids:	60%
V.O.C.	320 gm / litre
Drying & Cure times at 20°C (68°F)	
Touch Dry:	24 hours
Dry to foot traffic:	72 hours
Minimum Overcoating:	24 hours
Maximum Overcoating:	Indefinite (Providing surface is clean and dry)

Under wet conditions these times will be extended

Performance Data

Direct Pull Adhesion ASTM D4541	28 kg/cm ² (400 psi) - Concrete
Water Vapour Permeability ASTM D1653	5.51 x 10 ⁻⁵ perm.cm
Tensile Strength ASTM D638	6.85 N/mm ² (1000 psi) - Reinforced
Elongation ASTM D412	40%
Tear Strength ASTM D624	36.72 N/mm ² (210 psi) - Reinforced
UV Resistance ASTM G53	Unaffected 1,000 hours QUV - B

Storage

Use within 2 years from date of purchase

Store in original sealed containers between 5°C (40°F) and 30°C (86°F)

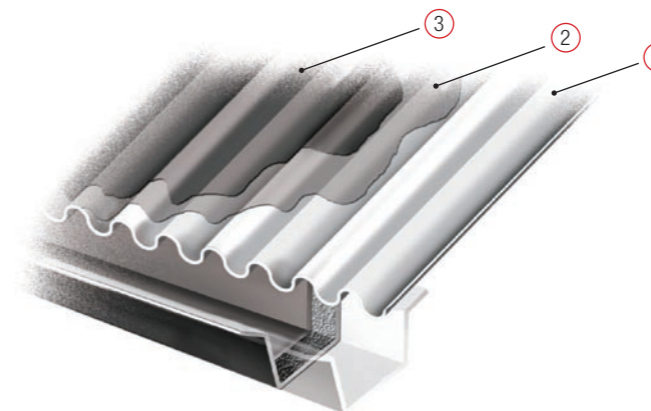
On site, temperature of product should be maintained above 10°C (50°F) prior to use to aid application

Thermal Conductivity Data
Tested in accordance with BS 874 / ISO 8301
Scotchkote Seal-Tech LS 657 - 0.286 W/m²K

Health & Safety
As long as normal good practice is observed Scotchkote roofing Seal-Tech LS 657 can be safely used.
This material is 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 + EXT.SAA

Environment
Scotchkote roofing Seal-Tech LS 657 is manufactured to ISO 14001 Environmental Management Standards



5 Year Scotchkote Roofing Short Term Flat & Pitched Roof System

1. Roof Substrate
2. Scotchkote primer (if required)
3. One Coat Scotchkote Seal-Tech LS 657