

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:

- North Yorkshire County Council
- Colgate Palmolive
- Barcelona Football Club
- Lisbon Airport, Portugal
- Bayer UK
- Powergen
- H M Prison Service
- Sunderland City Hospitals
- Kimberley Clark

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.



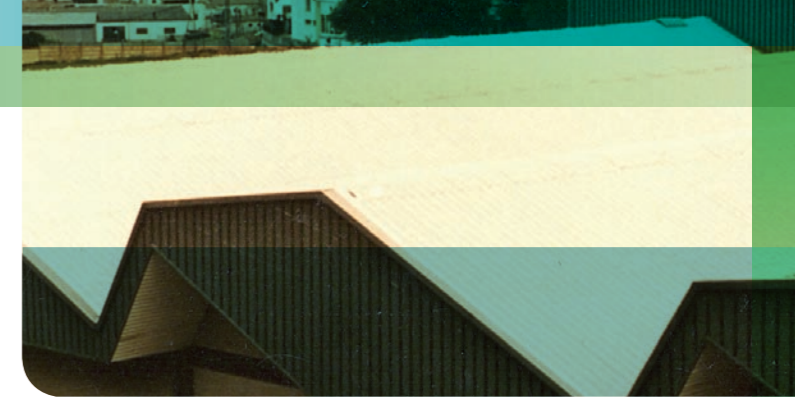
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RSL606/1



10 Year Summer Flat & Pitched Roof System



3M™ Scotchkote™ Roofing Poly-Tech 665 is a high performance universal roof protection system developed to provide weatherproofing and waterproofing to all types of roof surface. Scotchkote roofing Poly-Tech 665 is our low odour water based system making it free from any toxic risk. Its formulation is zero VOC making it the natural choice for liquid roof membrane systems. Its water vapour permeable composition allows damp substrates to breathe without any loss of adhesion to any roof surface including aluminium, asbestos cement, mineral felt, asphalt and concrete. Scotchkote roofing Poly-Tech 665 gives long term weatherproofing and waterproofing with optimum levels of UV stability, flexibility and durability.

Features

- Water based formulation
- Low odour
- Nil VOC content
- Easy brush / roller application
- Water vapour permeable
- Shower resistant in 30 minutes
- Will not embrittle
- UV stable

Benefits

- 10 years life to first maintenance
- No disruption to buildings function
- Easily spot repaired
- All roof types and substrates
- Economical
- Wide range of colours
- Easily moulded around complex shapes
- Fully waterproof in 2 hours

AREAS OF USE

Asphalt Roofs - Avoids high asbestos removal costs by totally encapsulating the in-situ asbestos cement sheets

Flat Asphalt Roofs - UV resistant formulation does not embrittle and will not crack or split

Previously Coated Roofs - Stops the cycle of re-coating and provides the ultimate waterproofing solution

Felt Roofs - No need to remove failed felts, just repair and coat for seamless weatherproofing

Cement Roofs - Completely encapsulates the substrate and prevents the saturation of the concrete by ponding water halting the onset of osmosis

Corrugated Pitched Roofs - Economical, low odour waterproofing with minimal disruption to building function



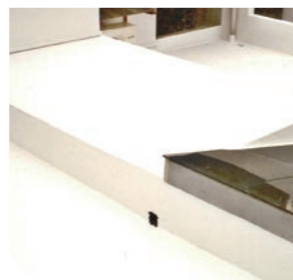
Before



After



Before



After



Before



After



Before



After

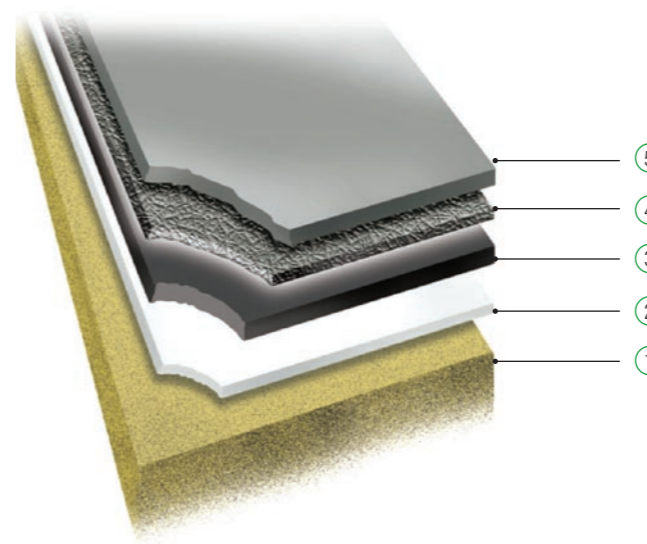
SCOTCHKOTE POLY-TECH 665	
Mixing Ratio:	Supplied ready for use
Appearance:	Viscous coloured thixotropic liquid
Colours:	White, Light Grey, Mid Grey, Stone, Dark Grey, Red, Mid Green, Black
Pack Sizes:	20 litre
Volume Solids:	60%
V.O.C.	Nil
Drying & Cure times at 20°C (68°F)	
Touch Dry:	1-2 hours
Minimum Overcoating:	2-4 hours
Maximum Overcoating:	Indefinite (Providing surface is clean and dry)
Shower Resistant	30 Minutes
Water Resistant	2 Hours
At lower temperatures the drying times and minimum overcoating times will be extended	
Performance Data	
Direct Pull Adhesion ASTM D4541	28 kg/cm ² (400 psi) - Concrete
Water Vapour Permeability ASTM E96-95	1 x 10 ⁻⁴ perm.cm
Tensile Strength ASTM D412	42 kg/cm ² (600 psi)
Elongation ASTM D412	150%
Tear Strength ASTM D624	9.84 kg/cm (55 pli) - Un-reinforced 17.3 kg/cm (95 pli) - Reinforced
Ozone Resistance ASTM D1149	No cracking (160 hours/110ppm at 104°F)
Storage	
Use within 2 years from date of purchase	
Store in original sealed containers between 5°C (40°F) and 30°C (86°F)	
PROTECT FROM FROST	

Health & Safety
As long as normal good practice is observed Scotchkote roofing Poly-Tech 665 can be safely used. 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: EXTFAB

Environment
Scotchkote roofing Poly-Tech 665 is manufactured to ISO 14001 Environmental Management Standards. This material is free from odour and toxic risk due to its water based, voc free formulation.

Spray Application
For water based spray application please refer to the specially formulated spray grade version of Scotchkote roofing Poly-Tech 665 that is Scotchkote roofing Poly-Tech CSM 658. Scotchkote Poly-Tech CSM 658 is designed with shorter inorganic fibres to give a fast economical spray applied 10 year life to first maintenance liquid roofing system.



10 Year Scotchkote Roofing Summer Flat & Pitched Roof System

1. Roof Substrate
2. Scotchkote primer (if required)
3. 1st Coat Scotchkote Poly-Tech 665
4. Scotchkote 100gm Premier 050 reinforcing mat
5. 2nd Coat Scotchkote Poly-Tech 665