

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
- British Gypsum
- Portacabin
- Glaxo SmithKline
- Barclays Bank
- P & O Ferries
- Lloyds TSB Bank
- North Yorkshire CC
- H J Heinz & Co

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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RSL608/1



10 Year Winter Flat & Pitched Roof System



3M™ Scotchkote™ Roofing Poly-Tech WG 663 is a single component, solvent based, high performance roof protection system. Its formulation is based on a unique flexibilised acrylic resin in combination with inert pigments and fillers that is specifically designed to enable low temperature application when the weather conditions prohibit the use of a water based system. Scotchkote roofing Poly-Tech WG 663 can be applied to most roof substrates including asphalt, bitumen, mineral felt, asbestos cement, concrete and metal surfaces, many without the need of a Scotchkote roofing primer. Scotchkote roofing Poly-Tech WG 663 will give 10 years life to first maintenance on both flat and pitched roof applications.

Features

- Low temperature application
- No embrittlement
- 200% flexibility
- Seamless - No welds or joints
- Excellent adhesion
- Simple brush / roller application
- Durable
- Elastomeric

Benefits

- 10 years life to first maintenance
- Single pack formulation
- Fast cure
- All year round application
- Fire resistance rating
- Easily repaired
- Wide range of applications
- Complex shapes easily incorporated

AREAS OF USE

Flat Asphalt Roofs - Provides high performance waterproofing that will not embrittle

Felt Roofs - Application prevents degradation and is cold applied, no hot works

Cement Roofs - Prevents the onset of osmosis and saturation of the concrete by ponding water by completely encapsulating the substrate

Gutters - Waterproofs all types of gutters with no reduction in water volume capacity

Corrugated Pitched Roofs - Easy spray application for time saving waterproofing

Asbestos Roofs - Encapsulates asbestos cement sheets negating the costly removal and disposal of the asbestos



Before



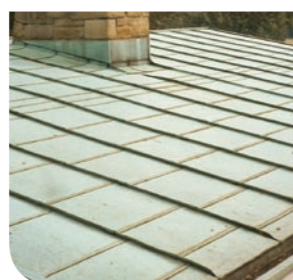
After



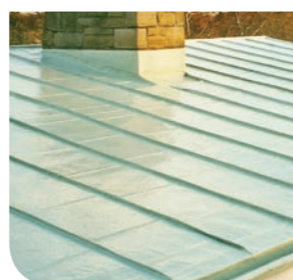
Before



After



Before



After



Before



After

SCOTCHKOTE POLY-TECH WG 663	
Mixing Ratio:	Supplied ready for use
Appearance:	Viscous coloured thixotropic liquid
Colours:	Light Grey & Mid Grey
Pack Sizes:	20 litre
Volume Solids:	48%
V.O.C.	448 gm / litre
Drying & Cure times at 20°C (68°F)	
Touch Dry:	2-3 hours
Through Dry:	6-8 hours
Minimum Overcoating:	6-8 hours
Maximum Overcoating:	Indefinite (Providing surface is clean and dry)
Full Cure:	7 days
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 D1653	5.51 x 10 ⁻⁵ perm.cm
Tensile Strength ASTM D638	6.85 N/mm ² (1000 pli) - Reinforced
Elongation ASTM D412	40%
Tear Strength ASTM D624	36.72 N/mm (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 Poly-Tech WG 663 - 0.286 W/m²K



Health & Safety
As long as normal good practice is observed Scotchkote roofing Poly-Tech WG 663 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.



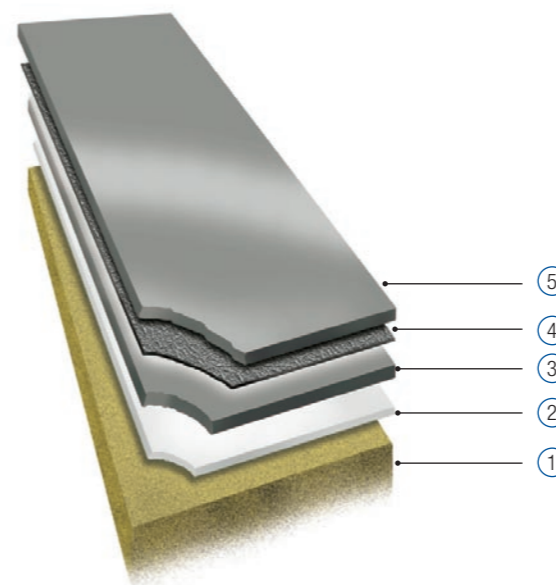
Fire Performance
External Fire Exposure Roof Test
BS476 Part 3: 1958
Pass Category: EXT.FAB



Environment
Scotchkote roofing Poly-Tech WG 663 is manufactured to ISO 14001 Environmental Management Standards



Spray Application
Scotchkote roofing Poly-Tech WG 663 can be spray applied using airless spray equipment. An excellent spray pattern can be achieved when the product is applied at a working pressure of 2300 psi using a tip size of 17 thou. This material can be applied to a wet film thickness of up to 1mm without any visible sign of sagging.



10 Year Scotchkote Roofing Winter Flat & Pitched Roof System

1. Roof Substrate
2. Scotchkote primer (if required)
3. 1st Coat Scotchkote Poly-Tech WG 663
4. Scotchkote 100gm Premier 050 reinforcing mat
5. 2nd Coat Scotchkote Poly-Tech WG 663