

3M™ Scotchkote™ Poly-Tech LS 657

Data Sheet and Application Guide

Product Description

Scotchkote Poly-Tech LS 657 is solvent based acrylic coating specifically developed to provide an economical waterproofing membrane for use on most types of roof surfaces, which can be applied in low temperatures.

Product Features

- Combines good application characteristics with fast drying capabilities.
- Can be applied to most surfaces without use of a primer.
- Outstanding weatherproofing and waterproofing properties.
- Provides a minimum of 5 years protection.

General Application Steps

1. Remove loosely adhering deposits.
2. Apply the appropriate primer where required and allow to dry.
3. Treat all joints and seams.
4. Apply Scotchkote Poly-Tech LS 657 to required thickness.
5. Apply second coat of Scotchkote Poly-Tech LS 657 where required.

Property	Value
Colour	White, Mid Grey, Black
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 provided surface is clean
Volume Solids	60%
V.O.C (As Supplied)	320g/litre
Coverage Rate	1 kilo/m ² on flat roof surfaces. (Applied in 2 coats) 0.7kilo/m ² on pitched roof surfaces (Applied in 1 coat)
Performance Data	
Water Vapour Permeability	4.485x10 ⁻⁴ perm.cm (ASTM E96-95)
Tensile Strength	2.05Mpa (300 psi) (ASTM D412)
Tear Strength	10.5N/mm (60 pli) (ASTM D624)
Dry Heat Resistance	60°C (140°F) (ASTM D2485)
UV Resistance	No loss in properties after 1000 hours exposure (BS 3900:F3)
Peel Adhesion (Concrete & Steel)	7N/mm (40 pli) - cohesive failure in product (ASTM D903)



Application Procedures for 3M™ Scotchkote™ Poly-Tech LS 657

Surface Preparation

Dirt build up, moss and loose material should be removed by scraping or brushing with a stiff bristled brush. Clean the surface of any remaining dirt and debris, preferably by suitable high pressure water jetting.

Any surface areas contaminated by moss, algae growth or lichen must be treated with a proprietary fungicidal wash prior to application in accordance with its data sheet.

Any cracks and gaps should be raked out to remove dirt build up and the splits, cracks and gaps repaired using 3M™ Scotchkote™ Reinforcing Mesh 045 (10" wide). Firstly apply 3M 1900 Duct Tape along the gap. Then apply one coat of Scotchkote Poly-Tech LS 657 to the area to be repaired, cut the reinforcing mesh to the desired length and embed into the wet Scotchkote Poly-Tech LS 657, then apply a second coat to encapsulate the mesh.

Blisters in felt should be star cut and a coat of Scotchkote Poly-Tech LS 657 applied under the flaps, which should then be re-embedded. Strengthen this repair with the reinforcing mesh and apply a further coat of Scotchkote Poly-Tech LS 657 over the repair.

Any silicone substrates or silicone sealants should not be treated with Scotchkote Poly-Tech LS 657. Silicone sealants should be removed prior to the application and re-applied if necessary on completion.

Large expanses of standing water should be removed by sweeping, small quantities of water may be allowed to remain without affecting the performance of Scotchkote Poly-Tech LS 657. Any ice present on the surface in cold conditions must be removed. Any oil or grease contamination should be removed by wiping with 3M™ Scotchkote™ Cleaner 020 or a detergent solution.

Handling and Safety Precautions

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet, and/or product label prior to handling or use.

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Important Notice

All statements, technical information and recommendations are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using the 3M™ Scotchkote™ Product, you must evaluate it and determine if it is suitable for your intended application. Because conditions of product use are outside of 3M control's and vary widely you assume all risks and liability associated with such use. Any product related statements not contained in current 3M publications, or any contrary statements contained in your purchase order, shall have no force or effect unless expressly agreed to in writing by an authorised officer of 3M.

Warranty; Limited Remedy; Limited Liability.

3M warrants that the 3M™ Scotchkote™ Product will conform to 3M published specifications upon shipment. If the product is proven not to have met the specifications your exclusive remedy within 12 months of sale by 3M of the product and 3M's sole obligation will be, at 3M's option, to replace the Product or to refund the purchase price of the Product. Except where prohibited by law, this warranty is made in lieu of all other warranties, express or implied, including, but not limited to, any implied warranty of suitability or fitness for a particular purpose, or those arising from a course of dealing, custom or usage or trade.

3M has no obligation under this warranty with respect to any product that has failed due to inadequate or improper storage, handling, surface preparation, application, or maintenance; failure to follow product instructions or recommendations or alteration or damage to the Product caused by accident, neglect, or misuse. OTHER THAN IN THE CASE OF DEATH OR PERSONAL INJURY CAUSED BY ITS NEGLIGENCE AND EXCEPT WHERE PROHIBITED BY LAW, IN NO EVENT SHALL 3M BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES (INCLUDING LOST PROFITS) ARISING FROM THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ASSERTED.



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Product Mixing

The Scotchkote Poly-Tech LS657 is a single component material and should only require stirring prior to use to incorporate any slight separation.

Application Procedures

Scotchkote Poly-Tech LS 657 should be applied directly to the substrate, no priming is normally required for most porous and bituminous surfaces. Metal and certain other surfaces may require priming.

Please contact the 3M Northallerton Technical Centre for advice.

Application can be carried out by soft brush, soft broom or squeegee, best results are achieved when the product is spread out in a generous coat.

Do Not Thin, work away from areas being treated working towards a suitable exit. Scotchkote Poly-Tech LS 657 can be applied in all weather conditions including falling rain, even in temperatures down to 0°C.

Scotchkote Poly-Tech LS 657 must not be applied over ice.

All equipment must be cleaned IMMEDIATELY after use with Scotchkote Cleaner 020.

Packaging and Storage

Supplied in 5kg and 20kg units.

Use within 2 years of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C.

Ordering Information/Customer Service

For ordering, technical and product information or to request a copy of the Material Safety Data Sheet, call +44 (0)1609 780170 or fax +44 (0)1609 783762 (Sales) or 788718 (Technical).

For emergencies, please contact +44 (0)1344 858000.

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