

3M™ Scotchkote™ Liquid Line Marking LXF 897

Data Sheet and Application Guide

Product Description

Scotchkote Liquid Line Marking LXF 897 has been specifically developed as a fast drying line marking coating for concrete surfaces with minimum disruption.

Product Features

- Combines good application characteristics with excellent adhesion to concrete.
- Designed for application by brush or roller.
- Suitable for return to service in 1½ hours.
- Also suitable for use on asphalt floor surfaces in combination with 3M™ Scotchkote™ Primer FB856.
- Can be used on metal surfaces in combination with 3M™ Scotchkote™ Urethane Sealer 165CS.

Adhesion: Excellent to correctly prepared surfaces.

Chemical Resistance: Unaffected by floor cleaning chemicals.

Abrasion Resistance: High order of resistance to abrasion and mechanical damage

General Application Steps

1. Remove oil, grease and loosely adhering deposits.
2. Prepare surface and apply appropriate primer if required.
3. Apply Scotchkote Liquid Line Marking LXF 897.
4. Allow to cure.
5. Visually inspect the coating for defects.
6. Repair all defects.

Properties

Property	Value
Colour	White, Warning Yellow
Ratio	2:1 By volume
Drying & Cure times at 20°C (68°F)	
Useable life	20- 25 mins
Touch Dry	¾ - 1 hour
Hard Dry	1-1½ hours
Minimum Overcoating	1 hour
Maximum Overcoating	24 hours
Full Cure	7 days
Volume Solids	99.75%
Specific Gravity	1.43 (Average Mixed)
V.O.C	11g/ltr
Film Thickness (Typical)	Wet/Dry 150-200 microns.
Theoretical Coverage Rate	5 sq metre per litre at 200 microns dft.
Performance Data	
Abrasion Resistance	78 mgm weight loss per 1000 cycles - 1 kg load - CS17 wheel (ASTM D4060)
Hardness	75-80 Shore D (ASTM 2240)
Elongation	15-20% (ASTM D412)
Tensile Strength	22.75Mpa (3300 psi) (ASTM D638)



Application Procedures for 3M™ Scotchkote™ Liquid Line Marking LXF 897

Surface Preparation

All surfaces should be clean, dry and free from loose material.

Concrete surfaces should have all surface laitance removed by mechanical means, very porous surfaces can be primed with 3M™ Scotchkote™ Urethane Sealer 165CS.

Asphalt Surfaces: Surfaces should be detergent cleaned then primed with 3M™ Scotchkote™ Primer FB856

If in doubt about the choice of primer consult the 3M Northallerton Technical Department.

Metal Surfaces: Surfaces should be either abrasive blasted or prepared by grinding to create a coarse profile then primed with 3M Scotchkote Urethane Sealer 165CS.

Mixing

The product is a two component material comprising Part A (Base) component and Part B (Activator) component which must be mixed together prior to use.

The Part A (Base) component should be stirred and whilst continuing stirring, the Part B (Activator) component should be added with mixing continuing until a homogeneous mix results. The use of a mechanical mixer is advisable to ensure thorough and complete mixing.

The mixed product must be used within 20 minutes of mixing at 20°C.

Application Procedures

Application should not be carried out when the surface to be coated is less than 3°C above the dew point, whilst there is no restriction on humidity levels during application high levels of humidity will increase the rate of cure.

The product should be applied to give a smooth uniform coating by brush or roller.

Medium pile rollers are recommended for successful application.

Where a slip resistant finish is required then 3M™ Scotchkote™ Granular Aggregate WD 093 should be scattered onto the surface at a rate of 100-150gm/m² and rolled in.

Packaging and Storage

Supplied in 1.5 litre packs

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

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.

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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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