



High Performance Paint Product Data Sheet



LC (LIQUID CONCRETE)

56-250 JUN 09



FULL APPLICATION AND BUFFED TO POLISH

DESCRIPTION: LC increases the life of cement products and reduces the porosity and permeability. It increases the hardness, wear resistance and the chemical resistance as well as suppressing efflorescence. An easy to use, low cost, clear concrete treatment.

TYPICAL USES: LC is a specially formulated clear/flat sealer that penetrates deeply and fuses to the concrete and helps stop water, oil, gas, grease, salts and other fluids damaging the surface. New concrete paths, driveways, factory floors, decorative domestic floors, paving bricks, slabs (ground faced and original), pool surrounds and coping profiles, pre-cast tilt slabs and architectural concrete structures, bricks, concrete blocks, split stone, basement walls and floors, sanitary/shower areas, food processing areas, warehouses and storage tanks can all be treated with LC.

PERFORMANCE: Easy to use and water based. Effective in deeply penetrating concrete to seal, chemically harden and provide a clarity and natural colour to the aggregates.

LIMITATIONS: Avoid freezing the liquid. Will go white/milky if left in a thick layer on the surface.

NOT DESIGNED TO BE OVERCOATED.

TECHNICAL DATA:

Resin:	Formulated alkali silicate/ Silicon complex
Solvent:	Water
Finish:	Natural
Colour:	Water white solution (clear)
Touch Dry (minimum):	15-20 minutes @ 20°C.
Recoat Time (minimum):	2 hours
	Full Cure – 7-10 days
Primer:	Not Applicable
Number of Coats:	2 usually required
Dry Film Thickness:	Not Applicable
Wet Film Thickness:	Not Applicable
Durability:	Very good
Thinning and Clean Up:	Water
VOC:	
Pot Life:	Not Applicable
Water Repellent:	Approx +1 hour
Pack Size:	20 Litre

SPREAD RATE:

Very dependant on the concrete type and density. Typical figures are 4 - 7 m²/Litre/coat. The number of coats is dependant on the concrete quality and the expectations of the client. For dense concrete, penetration can be increased by diluting with fresh water up to maximum 4 part Tuff Cote LC Sealer to 1 part water.

COMPUTER CODES:

Tuff Cote LC Sealer 56-250

Coating Technologies Limited, 16 Aetna Place, Henderson, Auckland, New Zealand

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Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from the date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.

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SURFACE PREPARATION:

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry and stable.

SEALING CONCRETE/AGGREGATE:

For full preparation and application details refer to our Information sheet "LC (Liquid Concrete) – Sealing Concrete and Decorative Aggregate Concrete Floors".

SEALING CONCRETE BLOCKS:

For full preparation and application details refer to our Information sheet "LC (Liquid Concrete) – Sealing Concrete and Decorative Aggregate Concrete Floors".

CONCRETE AND BLOCK WORK WEATHERPROOFING SYSTEM:

For full preparation and application details refer to our Information sheet "Concrete and Concrete Block Weatherproofing System".

NOT DESIGNED TO BE OVERCOATED.

CAUTION:

- * Do NOT allow LC (Liquid Concrete) to enter into drains.
- * Do NOT contaminate foot wear then transfer onto carpets, wooden floors, fabric etc, as this will damage the materials.
- * Avoid contact with skin and eyes. Refer to the Material Safety Data Sheet.
- * Do NOT allow contact with glass (mask carefully), glass will be etched permanently.

THINNING & CLEAN UP:

Maximum thinning 10%. Wash all equipment with warm/cold water and detergent/soap.

ENVIRONMENTAL:

DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET.
