

LEXCOAT[®] ONE

100% SOLID ODOURLESS WATERPROOFING SYSTEM

DESCRIPTION & USE

LEXCOAT ONE is a two component, solvent free, flexible and high performance urethane-elastomer membrane that can be applied to prepared interior or exterior concrete, plywood and metal surfaces. This product can be applied at a temperature of -6.7°C (20°F) and above.

Typical Uses

- Exterior & Interior Pedestrian Traffic Walkways, Patios, Stairways
- Interior Surfaces such as Mechanical Rooms
- Stalls, Wash Racks & Kennel Runs
- Sun Decks & Balconies
- Vehicular Traffic Areas
- Under Asphalt Overlay

FEATURES & BENEFITS

One coat system - A wet on wet application that results in labour cost and time savings.

No VOCs and no odour - User/neighbour friendly.

Excellent low temperature flexibility - Can be applied down to -6.7°C (20°F)

Non-gassing - No gasses are released into the air.

Fast setting and rapid curing - Accelerates application time.

Good thermal stability - Thermally stable under the influence of temperature.

Good chemical resistance - Able to withstand certain chemicals.

Versatile - Can be applied at any required thickness and on most substrates.

Can be applied to green (vented) concrete - Quickens installation process.

Seamless - Monolithic.

Re-coatable - Can be recoated at any time throughout the material's life.

COLOURS

LEXCOAT ONE is supplied in grey colour. Other standard and non-standard colours are available upon request with minimum order quantity.

COMPLIANCES

Meets USDA Criteria

TECHNICAL DATA

PROPERTY	TEST	RESULT
Hardness Shore A	ASTM D-2240	80 ± 3 Shore A
Tensile Strength	ASTM D-412	17.2 ± 0.7 kN/m (2500 ± 100 pli)
Tear	ASTM D-624	52.5 ± 4.4 kN/m (300 ± 25 pli)
Elongation	ASTM D-412	800 ± 100%
Specific Gravity	-	A Pail : 1.05 ± 0.1 B Pail : 0.99 ± 0.1
Total Solids by Weight	ASTM D-2369	94 ± 2%
Total Solids by Volume	ASTM D-2697	95 ± 2%
Viscosity, at 24°C (75°F)	-	A Pail : 1500-2500 cps B Pail : 50-150 cps
Volatile Organic Compounds	ASTM D-2369-81	< 59 gm/liter < (0.49 lbs/gal)
Pot Life (min. @ 75°F (24°C), 50% RH)	-	10 ± 2 minutes
Tack Free Time	-	3-4 hours

Note: Based on draw down films.

COVER RATE

Theoretical coverage for 25.4 microns (1 mil) thickness is 3.78 litres (one gallon) per 141 sq m (1520 sq ft).

Coverage rates will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

APPLICATION

Surface / Substrate Preparation

LEXCOAT ONE requires a mechanical surface prep in order to obtain the minimum of ICRI CSP #3. Surface preparation may be completed by shot blasting. Peel and adhesion tests are recommended. Install a 9.30-18.58 sq m (100-200 sq ft) mockup of the system to be installed and approve for aesthetics, colour, slip resistance, actual coverage rates and functionality before proceeding.

Mixing

Using a mechanical mixer, first premix separately the A pail and the B pail base material thoroughly to attain

COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada
1.800.268.2889



Quebec & Atlantic Canada
1.800.363.2307

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a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour B pail into A pail slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined A and B mixture thoroughly until uniform color is attained.

NOTE: LEXCOAT ONE may NOT BE DILUTED under any circumstances. DO NOT ESTIMATE: The proportions are premeasured.

Joists, Cracks and Flashing

Please refer to the specification for information relating to joints, cracks and flashings.

Application Basics

For best results, use a squeegee or notched trowel to spread LEXCOAT ONE evenly over the entire deck. LEXCOAT ONE should be applied at a temperature of -6.7°C (20°F) and above. Curing time will depend on temperature. It may be applied in a single application or in multiple applications. It is also relatively insensitive to moisture and temperature, allowing applications in various temperatures and humidity.

LEXCOAT ONE may be applied at any rate to achieve desired thickness.

Curing

Curing time will depend on temperature. LEXCOAT ONE may be fully reinforced while wet. The product has a relatively short pot life and should be mixed and used immediately. Do not mix the product until you are ready to apply it.

Curing time will also vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique.

EQUIPMENT CLEANUP

Equipment should be cleaned immediately after use with an environmentally safe solvent, as permitted under local regulations.

LIMITATIONS

- LEXCOAT ONE may NOT BE DILUTED under any circumstances.
- Do not open until ready to use. Any off ratio mixing of the product will affect the properties and the product may not cure.
- LEXCOAT ONE should be used as a vehicular system. Silica aggregate must be added in the last coat. Please see local representative for the choice of aggregate.
- Contains some high boiling colorless plasticizers.

DISPOSAL

LEXCOAT ONE is considered a hazardous material and must be handled as such, in accordance with local, provincial/state and federal regulations. Refer to product Safety Data Sheet (SDS) for additional information.

STORAGE

Store in original, unopened containers in a cool, dry area at a temperature between 15° to 35°C (60 to 95°F). Protect unopened containers from heat and direct sunlight. Elevated temperatures will reduce shelf life.

PACKAGING

- **3.78 litre (1-gallon kit):** 3.78 litre (1 gallon) can, net 3.03 litres (0.8 gallon) of A and 1 quart can, net 0.78 litres (0.2 gallons) of B.
- **18.93 litre (5-gallon kit):** 18.93 litre (5 gallon) pail, net 15.15 litres (4 gallons) of A and 3.78 litre (1 gallon) can, net 3.78 litres (1 gallon) of B.

SHELF LIFE

1 year when left sealed and with proper storage.