



LUCAS Professional Coatings, Sealants & Adhesives

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#4000 POLYUREA TRAFFIC DECK COATING

CAUTION: Avoid prolonged contact with skin or fumes. If irritation occurs seek medical attention. Keep out of reach of children. Read SDS prior to use.

#4000 SPECIFICATION

PRODUCT DESCRIPTION

Lucas #4000 is a 2 component polyurea traffic deck coating. It is a fast setting coating with hardness and mar resistance combined with flexibility. #4000 is suitable for application to concrete decks and structures where a durable waterproof protective coating is required. #4000 is 100% solids, contains no solvents or toxic substances and is UV/light stable.

Lucas #4000 is supplied in a single 3 gallon container that contains both an A and B component. The clear product may be used by itself or as a clear-coat finish for the pigmented products. #4000 provides a good balance of pot life after mixing of approximately 30-45 minutes and a cure time to recoat of 4 hours.

APPLICATION

The surface must be clean and dry. Temperature must be a minimum of 40°F with humidity of less than 90% for proper curing. No primer is necessary on most concrete surfaces. An adhesion test is recommended before application, particularly on older surfaces that may have been previously treated with a waterproofing product. If priming is required, dilute the #4000 with 50% PCBTF solvent. When the container is opened, component B is contained in a tray while Component A is in the pail underneath it. Simply pour component A into component B and mix for 2 to 3 minutes with a 1/2 inch drill and 6" square double bladed mixer. The product will begin the curing process immediately so it is imperative that application begin immediately after mixing. Working time after mixing is 30-45 minutes. Pot life will be affected by humidity. Apply to the surface with a soft bristle brush or 3/4 inch nap roller at the rate of .75 gallon per 100 sq. ft. or 12 wet mils. This rate of application is appropriate for flat troweled concrete surfaces. Brushed or irregular surfaces will require additional product. The first coat should be allowed to cure for 4 hours before the top coat may be applied. The top coat should be applied within 24 hours of application of the base coat or intercoat adhesion may be poor. For a non-slip surface mix one container of Lucas #403 Anti-Slip Media into the top coating only. #4000 is compatible with Lucas #9600 Joint & Termination Sealant and seams and penetrations should be sealed four hours after application of the #4000 coating.

This product cures through absorption of moisture from both the substrate and the air. Avoid entraining air when mixing. Cure time will be faster in humid conditions and on substrates that hold moisture such as concrete. Open and partially full containers will skin over quickly. If this occurs, remove the skin and continue using the remaining product.

The preceding directions are basic guidelines only. Please read and understand the complete Lucas Guide Specification for this product for the intended application. The Guide Specification is available from techsupport@rmlucas.com

Clean up: Clean up with Lucas #125 Safe Solve™.

Shelf Life: One year from the date of manufacture.

Viscosity	ASTM D 2196	10,000 cps
Solids by Weight	ASTM D 1644	100%
Solids by Volume	ASTM D 2697	100%
Weight Per Gallon	ASTM D 1147	10 lbs.
Tensile Strength	ASTM D 2370	300 psi
Elongation	ASTM D 2370	25%
Compressive Strength	ASTM C 109	5000 psi
Shore D Hardness	ASTM D 2240	70
Abrasion	ASTM D 4060	< 45 mg loss
Impact Resistance	ASTM D 2794	> 160 lbs.
Flash Point	ASTM D 56	NA
VOC	EPA 24	0 g/l

Container Sizes: 3 gallon

Colors: Clear, Sandstone Tan, Gray

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