

LAURENCO BUILD

Deck System Build Coat Commercial Product Data Sheet

Product Description

Laurenco BUILD is a high performance PMMA resin which, when catalyzed with Laurenco Catalyst, results in a fast-curing PMMA durable topcoat. It is intended for use as the wear course for the Laurenco Deck System.

Product Use

Catalyzed BUILD is to be used over top of the Laurenco BLUE Universal Primer or WP coat as a high build, pigmented protective layer in decks where the system must provide strong durability.

Packaging

Laurenco BUILD is supplied in 10-kg (2.2 gal) resealable pails with locking rings.

Colors

Laurenco BUILD is supplied as an opaque resin. It is available in gray and tan. Custom colors are also available, contact Laurenco Sales for more details.

Coverage Rates (smooth non-absorbent substrates)

NOTE: Apply 2 consecutive 100 mil coats of BUILD Coat to the BLUE or WP Coats.

Minimum consumption (per coat): 100 mils (0.1 inches, 16 sf/gal, 0.4 m²/L)

Yields will vary depending upon the system selected and the smoothness and absorbency of the substrate. Reference Laurenco Deck System Application Guide for more details.

Application Conditions

Laurenco BUILD can be applied when the ambient and substrate temperatures are between 20°F (-6.6°C) and 100°F (37.7°C). Discontinue coating application when the ambient or substrate temperature is outside the range listed above. Provide adequate shade over the substrate area both prior to and during application as necessary to maintain substrate surface temperatures below 100° F (37.7° C).

NOTE: Laurenco BUILD can be coated over Laurenco BLUE Primer or WP Coats in a minimum of 45 minutes following application.

Storage

Product shelf life is approximately 12 months from ship date. Shelf life will be reduced if product is stored at temperatures above 77°F (25°C). Store indoors in a closed container in a well-ventilated, cool, dry area away from heat, open fire, any ignition source, direct sunlight, oxidizing agents, strong acids, and strong alkalis. Do not store in temperatures below 32°F (0°C). Product may auto-polymerize at temperatures greater than 140° F (60°C). Materials stored on the job site during application should be kept on a pallet in a shaded, well-ventilated area. In unshaded areas, materials

should be covered with a white, reflective tarp in a manner that allows air circulation underneath the tarp.

Handling

Do not smoke. Keep away from open fire, flame, or any ignition source. Vapors may form explosive mixtures with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink, or smoke in the application area.

Consult the Safety Data Sheet for additional information pertaining to this product.

Personal Protection Equipment (PPE)

Workers shall wear a long sleeved shirt with long pants and work boots. Workers must use only butyl rubber or nitrile gloves when mixing or applying this product. Safety goggles are required for eye protection.

Use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. Specific type of respirator will depend on the airborne concentration. Filtering face piece or dust mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

Mixing & Catalyzing

If batch mixing, thoroughly mix the entire pail of BUILD for 1-2 minutes prior to pouring resin into a second container. Catalyze only the amount of BUILD that can be used within the anticipated pot life. Add pre-measured catalyst to the resin, stir for 2 minutes using a slow-speed mechanical agitator or mixing stick, and apply the fully mixed material on the Build Coat layer. The amount of catalyst needed is based on the weight of the resin used and varies with the ambient temperature as shown in the chart below.

Pot Life

Laurenco BUILD pot life is approximately 18-20 minutes at 68°F (20°C). Pot life will be reduced if the resin is at higher temperatures. Pot life can be maximized by storing product under controlled conditions and ensuring that the resin is at the low range of minimum storage temperature during/following the addition of catalyst and prior to application.

Set (Cure) Time

Minimum set (cure) times noted below are approximate, and may vary. The information provided is based on laboratory conditions, and is intended for use as a guideline only. Actual set (cure) times should be established in the field, based on actual field conditions.

Rain Proof at 68°F (20°C): Approximately 25 minutes

Ready for Next Coat at 68°F (20°C): Approximately 45 minutes

Tool Cleaning

When work is interrupted or completed, reusable tools must be thoroughly cleaned with an accepted cleaner (xylene, MEK) before any catalyzed resin on the tools hardens.

Laurenco PMMA Deck System Product Mixing Chart

– ALL PMMA products (Pouches per 10kg Pail)*:

<u>Temperature Range 20°F – 35°F</u>	
Resin Quantity	Pouches
10 kg (2.2 gal. 8.3 L)	4

<u>Temperature Range 35°F – 50°F</u>	
Resin Quantity	Pouches
10 kg (2.2 gal. 8.3 L)	3

<u>Temperature Range 50°F – 70°F</u>	
Resin Quantity	Pouches
10 kg (2.2 gal. 8.3 L)	2

<u>Temperature Range 70°F – 100°F</u>	
Resin Quantity	Pouches
10 kg (2.2 gal. 8.3 L)	1

***NOTE: BUILD uses half the Gel Catalyst of the other Laurenco products.**