



NEWLOOK

NewLook International, Inc. 100% Epoxy™

Technical Information Sheet

NewLook International, Inc. 100% Epoxy™ is a two component 100% solids heavy duty cured epoxy system, which may be used with or without an aggregate. Designed to achieve strong chemical and abrasion resistance. Product cures to a clear, high gloss finish.

USES AND BENEFITS

A fast setting decorative coating or floor overlay to protect, seal, and waterproof concrete surfaces from abrasion, water, and many organic and inorganic solvents, oils and strong acids. Used on concrete floors and walls of dairies, packing plants, hospitals, restaurant kitchens, retail stores, concrete counter tops.

PREPARATION PRIOR TO APPLICATION

Surface must be sound, free of dirt, soap, oil, grease, old coatings, and other bond breaking contaminants. Prepare and clean concrete by sandblasting, shot blasting or other suitable methods to evenly expose the fine sands, leaving a medium sandpaper-like texture. Thoroughly clean off all remaining residue or bond failure may occur. Sandblasting is required on wood surfaces.

All cracks, holes and spalls should be patched. Consult with a manufacturer's representative for more information and proper selection of applicable products.

Two coats of NewLook 100 % Epoxy are recommended. Recoat must be done when the first coat is tack free or within 24 hours of application, at 70°F.

INSTALLATION

RECOAT

If the second coat is not applied within 24 hours of first coat, then surface must be abraded to afford a tooth allowing for proper mechanical/chemical adhesion. Abrade the surface by sandblasting, mechanical sanders or hand sanding, leaving the surface evenly roughened and scratched.

MIXING

NewLook 100 % Epoxy is shipped in two separate containers, B-Hardener or Catalyst and A-Resin. Accurate measurement is essential. Scrape out all the material on the sides. *Do not change the mix ratio.* If mixing only part of the container, then weigh out the exact proper proportion from part A and B before mixing. Mix with a mixing blade such as a "Jiffy" head mixer for approximately 3 minutes at low speed. It is very important that these two parts are mixed thoroughly otherwise the coating will not perform to specifications.

Allow inducting (stand) for 2 minutes before using. If using heat, no induction time is required.

Warming up the epoxy will also thin it for easier application. **Caution:** Heat will reduce the potlife. Only mix enough material that can be safely applied within its potlife.

Potlife depends on the build up of heat called "exotherm". To lengthen potlife, pour entire mixed contents into a paint roller pan or other wide surface container.

APPLICATION

Apply with a short nap roller (3/8 nap), brush, squeegee, serrated trowel or airless sprayer. Must use special equipment when using an airless sprayer. Plural component spray units with in-line heaters and dynamic head mixers are required. Machines such as a Graco Bulldog with 2-5-2 displacement cylinders will work successfully. Evenly apply a minimum of two coats, depending on job requirements.

NON-SLIP

When NewLook 100% Epoxy is used as a non-slip coating then the following will apply. After the first coat has been installed and while still tacky, evenly broadcast abrasive (30 - 90 mesh aggregates, depending on texture required) onto the surface. When the coating is tack free, remove any loose excess grit and apply a second coat.

OVERLAYS

There are two basic techniques when NewLook 100% Epoxy is used as an overlay either broadcast system or trowel-on system. To install the overlay system using the broadcast method, lay on a thick even layer of epoxy, using a serrated trowel. Sand is then cast into the epoxy until the epoxy is dry (can hold no more sand). After the epoxy has set up, lightly sand off any high spots until surface is uniform. Remove any excess of sand by vacuuming. Apply a second coat with a roller, squeegee or trowel. Apply enough epoxy to achieve the desired texture.

Trowel-on method is the second technique used to install an overlay. First, apply a thin "tack coat" of epoxy to the surface to insure adhesion between the "overlay mortar" and the surface. The proportion of aggregate to epoxy will vary depending on the size of the aggregate. As the aggregate size increases, the amount of epoxy used per unit of aggregate will decrease. Trowel-on overlays are typically porous. A sealer coat of NewLook 100% Epoxy is recommended for easier cleaning and greater protection against chemicals and wearing from abrasion. Consult a manufacturer's representative for more details on either method.

TECHNICAL DATA

Type Amine
Mix Ratio (parts by volume): 2 to 1 (A to B)
Mix Ratio (parts by weight): 100 to 51 (A to B)
Solids: 100%
Mixed Viscosity: 900 cps
Pot Life (at 70°F): 30 to 45 minutes
Color: clear light amber
Coverage: 100 to 225 sq. per gal.
Weight (per gallon): 9.1lbs
Tensile Strength: 10,000 psi
Tensile Elongation: 6.0%
Flexural Strength: 24,000 psi
Compressive Strength: 19,000 psi
Hardness (Shore D): 80

LIMITATIONS

- Surface temperature must be a least 50°F. colder temperatures will not allow the epoxy to cure properly.
- Surface must be dry during application.
- Do not apply in wet or high humid conditions. Do not over work epoxy.
- Store containers at room temperature (68°F to 70°F) 24 hours prior to use. Cold material is harder to apply.
- Allow for extended cure time in cold temperature.
- NewLook 100% Epoxy has a short pot life; increases in temperature will shorten the pot life.
- When mixing, the mix ratio must be exact. Any change will cause inferior performance. When the mixed epoxy starts increasing in temperature and thickens, stop using.

CAUTION

KEEP AWAY FROM CHILDREN AND ANIMALS. Before using or handling, read the MSDS and Product Instructions. DO NOT CONSUME. Avoid contact with eyes and skin. Wear rubber gloves, aprons and safety eye goggles. **Antidotes:** **Ingestion:**

Call a physician immediately. **Eyes:** Flush with large amounts of water for 15 min. Call a physician immediately. **Inhalation:** Remove person to fresh air. If the victim is unconscious or having trouble breathing, call a physician. **Skin:** Wash with soap and water.

PRODUCT AND PACKAGING

Product	Size
100 % Epoxy	3 – 5 Gallons

WARRANTY

NewLook International, Inc. 100 % Epoxy product is not intended for public use and are intended for use by licensed contractors and installers, experienced and trained in the use of these products. Product is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the use of Product, therefore no other oral or written representation or statement of any kind, express or implied, now or hereafter made is authorized or warranted by NewLook International, Inc. or its affiliates, and NewLook International, Inc. and its affiliates hereby disclaims all such warranties, including those of merchantability or fitness for a particular purpose. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven to be defective. NewLook International, Inc. shall not be liable for special, incidental, or consequential damages, including delays or lost profits. Communication of this warranty and its limitations to end users is not the responsibility of NewLook International, Inc. but should be communicated by those in direct contact with the end user. Any claim regarding product defect must be received in writing within thirty days from the date of purchase. No claim will be considered without such written notice or after the specified time interval. The end user shall be responsible for determining Product's suitability and assumes all risks and liability.

NEWLOOK INTERNATIONAL, INC. PRODUCTS available through: