LIFE PAINT
PRODUCT SPECIFICATIONS

EPOXIES

LD1202 100% SOLIDS EPOXY PRIMER 2:1

Product Description and Use: Life Deck LD1202 is a fast drying 100% solids cyclo-aliphatic epoxy primer for use in a high-build system. Use on seamless industrial floors as a high-build slurry filler system or in combination with color quartz or paint chips for decorative topping.

Chemical Composition: Modified Bisphenol A epoxy resin crosslinked with aliphatic and cycloaliphatic polyamines.

Colors: White, tinting bases, 5 standard colors and clear are available. Custom colors available upon request.

Advantages

- Exhibits low viscosity, good color stability, excellent gloss and good chemical resistance.
- Intended for curing at room temperature but curing may also take place at relatively low temperatures and under high humidity conditions.
- 2-3 Hour dry to touch.

Preparation: The most common reason for coating failure is lack of preparation. For maximum durability the surface must be slightly porous and free of dirt, oil, chalk and other foreign matter. Shotblasting is the most reliable method for surface preparation. One may also prepare the surface by sanding, grinding or bead blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. The surface should feel like 30 grit sand paper. Muriatic Acid (blended 1:4 with water) may be used to etch concrete and will require baking soda or soda ash to neutralize. (Please use caution when working with acid. Read and follow all warnings and instructions on label). Clean surface entirely with TSP and rinse completely with water several times. Remove mildew or algae using 50/50 blend of household bleach and water, rinse thoroughly. The surface must be porous or rough enough to allow the product to soak in and completely dry.

Mixing Procedure: Mix 2 parts A with 1 part B by volume into a clean mixing container. Mix the epoxy with a slow speed drill with a mixing paddle attachment. Blend for 1 to 2 minutes. Carefully scrape the sides and bottom of the pail during mixing. After mixing thoroughly, immediately pour the blended mixture onto the horizontal surface and spread evenly over the area to be coated. Please note: Large batches of epoxy will cure much faster in hot weather than cold weather. We do not recommend applications at temperatures over 90^{0}F.

Thinning: A quart of acetone may be used to thin the LD1202 for easier application. When applying, do not allow to puddle or apply more than 5 mils thick, when wet.

Application: A squeegee is the best way to spread the epoxy evenly. In most cases, a brush is used to cut in and a 1/4 inch nap mohair or shed-free roller is used for the main area. Begin by cutting in the edges and trim with the brush. The center may be done like you would normally paint a surface, being sure to overlap and back roll each area carefully.

Drying Time: Dry to touch 2-3 hours @ 77^{0}F 50% humidity.
Recoat generally after 3 hours @ 77^{0}F 50% humidity.
Allow light foot traffic after 12 hours @ 77^{0}F 50% humidity.
Allow vehicular traffic and other heavy traffic after 48 hours @ 77^{0}F 50% humidity.

Limitations: Application at ambient temperature below 50^o F is not recommended. Exposure to temperatures exceeding 160^o F for prolonged periods is not recommended.

Clean-Up: Removed uncured LD1202 from tools and equipment with a suitable solvent. Cured material may only be removed mechanically.
Storage: Store in a dry area, between 50^o F and 95^o F. Protect from direct sunlight.

Health Precautions:
Please read Safety Data Sheet before beginning work with this product.
Component A - IRRITANT - Prolonged skin or eye contact may cause sensitization and irritation.
Component B - IRRITANT - Contact with skin or eyes may cause severe burns.

First Aid:
Skin Contact: Wash thoroughly with soap and water.
Eye Contact: Flush immediately with clean water and contact a physician.
Respiratory Problems: Remove affected person to fresh air immediately and contact a physician.
Hygiene: Wash hands immediately after use. Wash clothing before reuse.

Spills: Collect with absorbent material. Remaining film may be removed with a suitable solvent.
Disposal: Dispose of in accordance with local, state and federal regulations.

WARNING

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR PROFESSIONAL USE ONLY BY A QUALIFIED TECHNICIAN. Consult the Material Safety Data Sheet for further health and safety information.

Technical Data Test

LD1202 100% SOLIDS EPOXY PRIMER 2:1

Type	Modified Bisphenol A,
	Modified Amidoamine
Viscosity (cps.)	1600-1800 cps
Gel Time (100g mass/mins.)	26 minutes
Tensile Strength* (psi)	7550
Tensile Elongation %	4.3
Shore D Hardness*	83
Impact Resistance (inch/lbs, direct/reverse)	15/2
Thin Film Set Time	2.5 hours
Flexural Strength (psi)	11,185
Flexural Modulus (psi)	445,000
Compressive Modulus (psi)	375,000
Compressive Strength @ yield	11,355 psi
Cross Hatch Adhesion (1 worst, 5 best)	5
Pot Life	12 minutes (77° F)
VOC	0 g/l

* Properties determined after 7 days cure at 25° C