POWERCOAT® EPOXY LD  “Don’t say Epoxy- say PowerCoat”®
LIGHT DUTY • GAS/OIL RESISTANT • COST EFFECTIVE

DESCRIPTION
POWERCOAT EPOXY LD is a two component colored and clear light duty epoxy coating that provides the strength of epoxy in an economical coating that is tough, chemical resistant and long lasting. The presence of moisture will cause epoxies and urethane coatings to lose adhesion and fail. Powercoat breathable technology allows moisture vapor to pass through rather than becoming trapped, preventing blistering cracking and peeling. Independent tests verify that Powercoat has 3.30 perms rating, truly an epoxy that breathes. Recommended applications, gas stations, garages, distribution centers, driveways or any concrete surface requiring greater long term wear and staining resistance than a standard cure and seal coating.

APPLICATION
• New concrete surfaces must be primed with Powercoat Primer.
• Powercoat Epoxy is supplied in two parts, A and B, which are mixed together just prior to use.
• Separately mix with a jiffy mixer the individual contents of each container until uniform in consistency. Then mix part B into part A. If less than full containers are to be used, mix in the proportions shown under packaging in this data sheet. The mixed material has a pot life of approximately 4-6 hours.
• Two coats are required, second coat can be applied after the first coat has thoroughly dried. The dry time is dependent on temperature, air flow, film thickness and concrete conditions not a specific number of hours. Do not put on a second coat if the first coat is not dry.
• Do not add thinner. The product is supplied at the proper consistency for application and dilution will reduce efficiency.
• Same lot numbers should be used throughout the project. If lot numbers differ, box-mix prior to use. If two different lots are used, apply a final thin coat to the entire area.
• Apply by industrial paint sprayer, lambs wool applicator or roller.
• Apply by sprayer which is designed for 2 component epoxy or urethane coatings. See Technical Note TN170 for recommendations, available at vexcon.com.
• Do not use pump up or light duty sprayer designed for low viscosity coatings.
• For best results use Vexcon’s EvenFlow Applicator or ¼” nap solvent resistant mohair roller. Use a roller pan to take off excess product. Do not dip & roll, or pour & spread.
• If using a roller do not overwork the material. Coat in one lapping direction only, overworked material can affect the film properties.
• To protect your Powercoat floor from ongoing construction dust, dirt and debris, use Certi-Vex Talc Release until all construction work is completed.
• Clean application equipment daily with Certi-Vex Equipment Cleaner, and then flush with water.
• To improve non-slip profile use Certi-Vex Grip or Epoxy Non-Slip Additive.
• For a unique and custom floor use Certi-Vex Deco Chips.

CURING AND SEALING NEW CONCRETE
• Apply Powercoat Primer as soon as possible after the concrete has received final finishing, just as the water sheen disappears.
• If application is delayed, the concrete must be kept wet (preferably by water spray-mist) until the curing coat can be applied.
• Coat uniformly leaving no gaps, slips or excess, at a rate of 200-300 sq.ft/gal. (5,0-7.5 m²L).
• Let the concrete cure a minimum of 24-72 hours before application of Powercoat Epoxy LD.
• Apply Powercoat Epoxy LD 400-500 sq.ft./gal (10-12.5 m²/L) on hard non-porous floors and at 250-300 sq.ft./gal (6.2-7.5 m²/L on porous floors.
• After application of first coat, a second coat is required. See Second Coat section.

BENEFITS
• Available in clear, matte and 17 standard and custom colors. See Vexcon Color Systems Chart
• Reduces tire marking
• Excellent protection against water, staining, attack by alkali, oil, gasoline, cleaners, anti-freeze and salt
• Prevents efflorescence, dusting and spalling
• Vexcon’s breathable technology
• Interior and exterior applications
• Apply to new and existing concrete
• Can be applied to damp concrete
• Better adhesion and durability than standard cure and seal coatings
• Cost effective

SURFACE PREPARATION EXISTING CONCRETE
The concrete surface must be properly repaired, structurally sound and cleaned. Use Vexcon’s surface prep and cleaning products to properly clean the surface prior to application.
• To remove coatings such as epoxy’s, sealers and curing compounds use Certi-Vex Concrete Stripper.
• The concrete should be cleaned with Certi-Vex Super Degreaser & Cleaner to remove any dust, dirt or debris and allowed to dry for a minimum of 24 hours after cleaning.
• To remove efflorescence or to etch the surface for improved material penetration use Certi-Vex Etch & Efflorescence Remover.
• There should be no freestanding water.
• Large cracks should be repaired using Powercoat Epoxy Joint Sealant.
EXISTING CONCRETE
• Prior to application a test area must be performed to determine proper application rate and required surface preparation.
• To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects.
• If required use Certi-Vex Etch & Efflorescence Remover to improve seal penetration.
• Apply Powercoat Epoxy LD 400-500 sq. ft./gal (10-12.5 m²/L) on hard non-porous floors and at 250-300 sq. ft./gal (6.2-7.5 m²/L) on porous floors.
• After application of first coat, a second coat is required. See Second Coat section.

SECOND COAT
After application of the first coat all Powercoat Epoxy LD applications require a second coat. Typically a second coat is applied when the surface has dried through or 24 hours after first coat. If more than 24 hours has passed, the first coat should be lightly scuffed to assure good intercoat adhesion. Apply second coat at 400-500 sq. ft./gal (10-12.5 m²/L). The material will dry in less than 4 hours at 72 ° F (22°C).

APPLICATION OVER PREVIOUSLY CURED AND SEALED CONCRETE
If applying over a Vexcon acrylic cure and seal, the surface must be lightly scuffed to assure good intercoat adhesion. Powercoat Epoxy LD can only be applied to existing cure & seals that have a strong un-broken film. The product must have been applied at coverage rates no greater than listed on the product data sheet. If not a Vexcon cure and seal product contact Vexcon.

COVERAGE RATE DRY FILM CALCULATION
Apply Powercoat Epoxy LD of 150-250 sq. ft./gal (3.8-6.2 m²/L). depending on desired film thickness and porosity of concrete. Calculated film thicknesses are based on one coat.

COLOR

<table>
<thead>
<tr>
<th>COVERAGE</th>
<th>COLOR</th>
<th>FIRST COAT</th>
<th></th>
<th>SECOND COAT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>200 sq. ft./gal</td>
<td>Clear</td>
<td>2.97 MILS DFT</td>
<td>400 sq. ft./gal</td>
<td>1.4 MILS DFT</td>
<td></td>
</tr>
<tr>
<td>300 sq. ft./gal</td>
<td>Clear</td>
<td>1.98 MILS DFT</td>
<td>500 sq. ft./gal</td>
<td>1.19 MILS DFT</td>
<td></td>
</tr>
</tbody>
</table>

PACKAGING
Powercoat Epoxy LD Colored

<table>
<thead>
<tr>
<th>Volume</th>
<th>Weight</th>
<th>Volume</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Part A</td>
<td>3.54 gal/ 5 gal pail</td>
<td>34.2</td>
<td>88%</td>
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<tr>
<td>Part B</td>
<td>0.47 gal/ 1 gal can</td>
<td>3.78</td>
<td>12%</td>
</tr>
</tbody>
</table>

YIELD: 4 gallons of finished coating

Powercoat Epoxy LD Clear

<table>
<thead>
<tr>
<th>Volume</th>
<th>Weight</th>
<th>Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>1.92 gal/ 5 gal pail</td>
<td>15.44</td>
<td>48%</td>
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<tr>
<td>Part B</td>
<td>2.08 gal/ 3 gal can</td>
<td>15.44</td>
<td>52%</td>
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</table>

YIELD: 4 gallons of finished coating

Powercoat Epoxy LD Matte

<table>
<thead>
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<th>Volume</th>
<th>Weight</th>
<th>Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>1.84 gal/ 5 gal pail</td>
<td>16.20</td>
<td>46%</td>
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<tr>
<td>Part B</td>
<td>2.19 gal/ 3 gal can</td>
<td>16.20</td>
<td>54%</td>
</tr>
</tbody>
</table>

YIELD: 4 gallons of finished coating

When using other containers to measure smaller volumes, the above ratios must be used.

PHYSICAL PROPERTIES

- Dry
- Tack free
- Less than 6 hours
- Curing time
- Foot traffic
- Overnight
- Curing time
- Gasoline resistance
- 72 hours
- Curing time
- Heavy vehicle traffic
- One week

Note: Dry time and curing time depends on air temperature and film thickness. All calculations based upon 68-77 ° F (20-25°C). Low temperatures and relative humidity will extend dry time. Do not apply second coat until the first coat is dry.

HEALTH AND SAFETY
Vexcon MSDS CP106 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product obtain a copy of the MSDS from your distributor or visit vexcon.com.

CONTACT US @
Additional product information, technical assistance and customer services are available by contacting Vexcon Chemicals directly, or our distributors.

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