POWERCOAT® ONE
GAS/OIL/TIRE RESISTANT • SINGLE COMPONENT • BREATHABLE

DESCRIPTION

POWERCOAT® One is an easy-to-use single-component water-based light duty styrene acrylate epoxy. Powercoat One provides the performance of a two-component epoxy in an economical coating that is tough, chemical resistant, and long lasting. The presence of moisture will cause other epoxies and urethane coatings to lose adhesion and fail. Powercoat breathable technology allows moisture vapor to pass through rather than becoming trapped, preventing blistering and peeling. Independent tests verify that Powercoat has 3.30 perms rating, truly an epoxy that breathes.

APPLICATION

• Mix well before each use.
• Two coats are required. The second coat can be applied after the first coat has thoroughly dried. The dry time is dependent on temperature, air flow, humidity, film thickness and concrete conditions, not a specific number of hours. Do not put on a second coat if the first coat is not completely dry. See Dry Time section.
• 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, inter-mix (“box”) containers prior to use. If two different lots are used, apply a final thin coat to the entire area.
• Vexcon recommends our EvenFlow Applicator or ¼" nap mohair roller only.
• Use a roller pan to take off excess product. Do not dip and roll or pour and spread.
• If using a roller do not overwork the material. Coat in one lapping direction only, overworked material can affect the coatings film properties.
• Clean application equipment daily with Certi-Vex Equipment Cleaner, 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.
• To achieve a gloss appearance, apply a coat of Powercoat One Clear as a top coat @ 250 sq.ft./gal. after the second coat of Powercoat One Color has dried.

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 epoxies, sealers, and curing compounds, use StarSeal EF Stripper.
• The floor should be cleaned with StarSeal EF 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.
• Can be applied to damp surfaces; however do not apply over puddled water
• Large cracks should be repaired using Powercoat Epoxy Joint Sealant.

RECOMMENDED APPLICATIONS

Recommended for residential and commercial applications:
• Basements
• Recreational areas
• Commercial showrooms
• Educational and healthcare facilities
• Residential Garages
• Kitchens
• Lobbies and walkways
• Driveways and patios

CURING AND SEALING NEW CONCRETE

• Apply Powercoat Primer Water Base 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.
• Let the concrete cure a minimum of 24-72 hours before application of Powercoat One.
• Apply first coat uniformly leaving no gaps, slips or excess, of Powercoat One @ 500 sq.ft./gal. on hard non-porous floors and @ 300 sq.ft./gal on porous floors.
• After application of first coat, a second coat is required. See Second Coat section.

EXISTING CONCRETE

• Prior to application a test area must be performed to determine proper application rate and required surface preparation.
• Etch the surface for proper material penetration. Use Certi-Vex Etch & Efflorescence Remover at a dilution rate of 1 to 3 water.
NOTE: Do not use muriatic acid. See data sheet # OP107 for application instructions.
• Neutralizing the surface is required with StarSeal EF Neutralizing Rinse & Cleaner
• Apply first and second coat depending on desired final film thickness and porosity of concrete according to chart below. We recommend a final film thickness of 250 sq.ft./gal on hard non-porous floors and 150 sq.ft./gal 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 One applications require a second coat. See coverage rate chart below.
- The first coat must be allowed to dry a minimum of 24 hours or longer if necessary until completely dry, “tack free”.
- Test the coating with Scotch tape. Press hard, leave for 5 minutes then rip off. Dry when no coating adheres to tape.
- If the first coat has been completely dry for more than 48 hours, lightly scuff or sand the first coat with 200 grit paper to assure good intercoat adhesion.
- For a gloss appearance apply one coat of Powercoat One Clear after the second coat of color has dried.

SPECIAL NOTES
- Important – Read and follow all instructions. Any questions, contact Vexcon.
- Surface can be used for light duty use 24 hours after final coat. See Dry Time section.
- Surface can be put into full service after 7 days.
- Will tend to show minimal rubber burns. Clean with StarSeal EF Degreaser & Cleaner.
- May enhance motting of colored surfaces
- Gasoline, oil, salt, jet fuel, water and chemical resistance will develop after last coat has been completely dry for minimum of 7 days
- Do not allow area to become wet until completely dry
- Surface may darken with application and aging
- Do not apply more material per sq. foot than specified
- If applied outdoors the paint may slightly discolor
- Spot resistance to brake fluid, not full immersion
- Storage/Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Care should be taken to keep dirt, water and contaminants away from the opening of container.
- Delivery: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Clean-up: Soap and water
- Do not apply below 50°F (4°C) or above 85°F (29°C)
- Shelf Life: If properly stored in its original sealed containers, one year. Rotate your stock.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

PACKAGING
Powercoat One is available in easy to use one gallon containers, 5 gallon pails and 55 gallon drums.

PHYSICAL PROPERTIES
- Dry minimum
  - Tack free for foot traffic
  - Curing time 24 hours
  - Gasoline and water resistance 7 days
  - Heavy vehicles 7 days
  - 40% by volume, 50% by weight
  - 34% by volume, 36% by weight
- Solids – Clear
- Note: Dry and curing time depend on air and surface temperature, humidity and film thickness. All calculations based upon ambient temperature 68-77°F (20-25°C). See Dry Time section.

MAINTENANCE/CLEANING
- Do not rinse or clean surface for a minimum of 30 days after application
- Use StarSeal EF Degreaser & Cleaner as part of cleaning program

SPECIFICATIONS/COMPLIANCE
- VOC - <340 grams/liter or 2.83 #/gal. (clear / pigm.)
- Meets:
  - USEPA AIM-Industrial Maintenance Coatings
  - OTC- Industrial Maintenance Coatings
  - LADCO/MRPO- Industrial Maintenance Coatings
  - CEPA/EC- Industrial Maintenance Coatings
  - CARB – Faux Finishing Coatings
  - SCAQMD – Decorative Coatings
- LEED NC category/points: For detailed information visit vexcon.com/green
- ASTM C309 Class A&B Type 1(clear) and II (color)
- ASTM D2047 tested, meets OSHA and ADA Non-slip
- USDA approved
- ASTM E84 Class A fire rating
- ASTM D1653 3.30 perms DL LABS # 11884-B
- CSE: [09 96 56]

COVERAGE RATE DRY & WET FILM CALCULATION
We recommend a final film thickness of 150-250 sq.ft./gal. Apply first and second coat depending on desired final film thickness, porosity of concrete, type of floors, and total square feet according to chart below.

COLOR

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<thead>
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<th>SECOND COAT</th>
<th>FINAL FILM THICKNESS</th>
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<tbody>
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<td>150 sq.ft./gal 4.27 mils DFT</td>
</tr>
<tr>
<td>(5.34 mils)</td>
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</tr>
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<tr>
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CLEAR

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DRY TIME
- The relative humidity, surface and air temperature will affect dry times.
- High humidity will extend dry times and require positive air flow for adequate drying. This is accomplished with the use of fans, open windows or doors to properly circulate the air.
- Low temperatures will also extend dry times. NOTE: Surface temperatures can vary from ambient. Do not apply if surface temperatures are below 50°F or above 85°F.
- Material must be within specified temperature ranges before application.
- Do not apply second coat until the first coat is dry. You can test for dryness by pressing tape hard onto the surface. Leave for 5 minutes then remove. If tape is clean the surface is dry.

HEALTH AND SAFETY
Vexcon MSDS #CP099 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 by contacting Vexcon Chemicals.

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