



**Product Data Sheet:**

**GacoFlex™ E5691**

Updated: 08/2020

**GACOFLEX™ E5691  
WATER REDUCIBLE EPOXY SEALER/PRIMER**

**DESCRIPTION:**

GacoFlex E5691 is a three component (Parts A, B & water), 32% volume solids, waterborne-epoxy penetrating sealer and primer used to promote adhesion of GacoFlex coatings.

**USAGE:**

GacoFlex E5691 is intended to seal and prime in a single step prior to the application of GacoFlex coating systems over concrete decks. This penetrating sealer and primer is specifically formulated for use on concrete surfaces, but may also be applied to plywood (please refer to General Instructions GW-2-3 Plywood Selection and Installation).

GacoFlex E5691 meets ASTM C309 requirements for use as a concrete curing compound (water loss of 0.55 kg/m<sup>2</sup>). Testing is ongoing to determine compatibility with GacoFlex coating systems when E5691 is used as a concrete curing agent.

**LIMITATIONS:**

Not intended for application to glass or metal. Not intended for application to green concrete to prepare for the installation of a conventional roofing system.

| PRODUCT DATA       |  |
|--------------------|--|
| <b>Color</b>       | Part A is clear and colorless to slight amber. Part B is clear yellow to olive green. The combined product is an opaque greenish-yellow in liquid form, changing to a clear amber film when dry. |
| <b>Consistency</b> | The A&B components are slightly viscous independently and form a more viscous emulsion when mixed. Becomes water thin when diluted.  |

| APPLIED PRODUCT DATA            |   |
|---------------------------------|---|
| <b>Weatherability</b>           | GacoFlex E5691 must be coated with a GacoFlex coating system. Not intended for continuous exterior exposure.                                    |
| <b>Chemical Resistance</b>      | Excellent solvent and alkali resistance and good acid resistance.   |
| <b>Hardness</b>                 | ASTM D2240 Shore A 100 Shore  |
| <b>Adhesion</b>                 | Designed for maximum adhesion to concrete and plywood. May be applied to other substrates when directed in GacoFlex Application Specifications. |
| <b>Water Vapor Permeability</b> | ASTM E96 Procedure B 0.10 Perms<br>50% R.H. Difference  |
| <b>Toxicity</b>                 | Not certified or intended for use in direct contact with food or in potable water applications.   |
| <b>Flammability</b>             | Non-Flammable   |

| PACKAGED PRODUCT DATA    |  |
|--------------------------|--|
| <b>Coverage</b>          | Up to 400 ft <sup>2</sup> (37.2 m <sup>2</sup> ) per gallon (9.84 m <sup>2</sup> /L) over smooth surfaces such as plywood and lightly etched concrete. For moisture vapor mitigation application, the concrete must be shot blasted or ground to a CSP 2 where one gallon of combined product will cover 200 ft <sup>2</sup> yielding 2.6 dry mils. On freshly poured green concrete when used as a curing compound, the coverage rate should also be approximately 200 ft <sup>2</sup> per gallon to meet the ASTM C309-11 standard for water loss. |
| <b>Solids</b>            | Weight: 35%                      Volume: 32%   |
| <b>V.O.C.</b>            | 5 grams per liter  |
| <b>Flash Point</b>       | Part A > 200 °F (93 °C)                      Part B > 200 °F (93 °C)   |
| <b>Storage Stability</b> | 24 months in original unopened container. Protect from freezing in shipment and storage.   |

| APPLICATION                     |   |
|---------------------------------|---|
| <b>Thinning</b>                 | Do not thin with anything other than clean water after A&B have been properly mixed together.   |
| <b>Mixing Instructions</b>      | Pour one container of Part A into a short-filled container of Part B. A 5-gallon (18.9 L) kit consists of 0.9 gallons (3.4 L) of part A poured into a 5 gallon (18.9 L) pail short-filled with 1.25 gallons (4.7 L) of part B. Mix combined product for two minutes with a power mixer and jiffy type blade. Dilute with clean water (2.5 gallons (9.5 L) for a 5-gallon (18.9 L) kit or ½ gallon (1.9 L) for a 1-gallon (3.8 L) kit) while mixing an additional 1 minute.  |
| <b>Pot Life</b>                 | 45 minutes @ 77 °F (25 °C). Pot life will be less at higher temperatures. Transferring mixed product to other containers may reduce pot life.   |
| <b>Application</b>              | <p>Pour a bead of properly mixed GacoFlex E5691 and spread it over the desired coverage area with a flat squeegee. GacoFlex E5691 is a low viscosity product, and will run in front of the squeegee like water. Apply light downward pressure to work the liquid into the substrate. Do not allow product to puddle. Back roll with a ¼" (6.4 mm) nap roller to ensure uniformity.</p> <p>Do not apply GacoFlex E5691 if substrate is below 50 °F (10 °C) or above 110 °F (43 °C), or when relative humidity is above 85%. Refer to Safety Data Sheet for proper PPE.</p> |
| <b>Application of Top Coats</b> | GacoFlex E5691 should have a clear (not cloudy) appearance and be nearly tack free prior to top coating. A topcoat may be added in as little as 2 hours after water has evaporated. Top coat within 28 days. Surface should be cleaned to remove any loose dirt or contamination prior to coating.  |
| <b>Clean Up</b>                 | Clean up application tools and equipment promptly with soap and water.  |

For specific Safety and Health information, please refer to Safety Data Sheet.