

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex E5990
September 2015
Supersedes 04/14

GACOFLEX® E5990 **100% SOLIDS TWO-COMPONENT EPOXY SEALER**

- DESCRIPTION:** GacoFlex E5990 is a 100% solids* two component penetrating epoxy sealer which forms a tight bond to concrete substrates and cures to form a clear hard continuous film.
- USAGE:** GacoFlex E5990 is intended as an optional sealer in Gaco Western decking applications. This penetrating sealer is specifically formulated for use on concrete and masonry to mitigate vapor drive and control out-gassing that may occur during rising temperatures.
- COLOR:** Part A is clear. Part B is yellow. Combined product is a slightly yellow, clear film.
- CONSISTENCY:** Both components are a slightly viscous liquid.

APPLIED PRODUCT DATA

- WEATHERABILITY:** Not designed for continuous exterior exposure; must be coated with one of the following options:
- Prime with GacoFlex E5320 2-Part Epoxy Primer/Filler, followed by a UV-resistant topcoat such as GacoFlex U64 or GacoFlex U66.
 - Top coat with GacoFlex U61, no primer required.
- CHEMICAL RESISTANCE:** Excellent solvent and alkali resistance and good acid resistance.
- HARDNESS:** ASTM D2240 Shore A 100 Shore **
(Coating requires 24 hours to achieve maximum hardness.)
- ADHESION:** Adheres to most surfaces; GacoFlex U61 adheres well to E5990, however E5990 must be coated with GacoFlex E5320 before any other top coat is applied.
- WATER VAPOR PERMEABILITY:** ASTM E96 Procedure B 0.10 Perms **
50% R.H. Difference
- TOXICITY:** Not suitable for contact with edible substances or potable water.
- FLAMMABILITY:** Non Flammable

** Results are based on internal testing. External tests by third party labs are pending.



PACKAGED PRODUCT DATA

COVERAGE:	When applied to concrete that has been shot blasted or ground to a CSP 2 (concrete surface profile) one gallon of combined product will cover 190 square feet. When concrete is prepped to CSP 3, one gallon of combined product will cover 150 square feet.
SOLIDS:	Weight: 100%* (*nominal solids) Volume: 100%* (*nominal solids)
VOC:	20 grams per liter.
FLASH POINT:	Part A >200° F Part B >200° F
STORAGE STABILITY:	One year. Protect from freezing in shipment and storage.

APPLICATION

THINNING:	Do not thin product.
MIXING INSTRUCTIONS:	Mix one container of Part B into a short-filled container of Part A (i.e. mix one quart Part B into short-filled one gallon container of Part A; or one gallon Part B into a short-filled five gallon container of Part A). Scrape sides of container to ensure that all of Part B is emptied into the Part A container. Mix combined product for two minutes with a power mixer and a jiffy type blade. Immediately empty entire contents out onto specified coverage area.
POT LIFE:	The pot life of this product is 8 minutes @ 77°F (25°C) if left in the original container. Pot life will be less at higher ambient temperatures. Combined product will generate excessive heat if left in the container. Material must be poured out of container before gelation occurs.

IMPORTANT: If product is left in container it will reach a very high temperature and be dangerous to handle.

APPLICATION:	Acceptable substrates for this product are concrete and plywood. Substrates should be clean and dirt free. Concrete must have a CSP 2 or 3. Any CSP greater than 3 will require special permission from Gaco Western. Use a squeegee to spread product over coverage area and then back roll over entire area to ensure uniform coverage. Do not apply product if substrate is below 50°F (10°C) or above 110°F (43°C). Refer to Safety Data Sheet for proper PPE.
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APPLICATION OF TOP COATS:	If being top coated with GacoFlex U61, no primer is required. For all other top coats, apply GacoFlex E5320 at a rate of approximately 1 gallon per 400 square feet (4 wet mils) over GacoFlex E5990 as soon as it is thoroughly dry. This level of dryness can be achieved in as little as two hours but may require as long as six hours depending on temperature.
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Note: Application rate for GacoFlex E5320 will vary depending on surface texture, additional material may be required to achieve 4 wet mils.

After application, allow GacoFlex E5320 to cure overnight prior to coating with an appropriate GacoFlex polyurethane elastomeric topcoat.

CLEAN UP	Clean up application tools and equipment promptly with acetone or xylene.
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IMPORTANT: Unused product that remains in the container will reach a very high temperature and be dangerous to handle, as will any remaining product that is left on squeegee or roller.

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

