



Product Data Sheet (PDS):

GacoFlex™ E5990

Revised: 05/2022

**GACOFLEX™ E5990
100% SOLIDS TWO-COMPONENT EPOXY PRIMER / SEALER**

A. PRODUCT DESCRIPTION:

100% solids**. two-component penetrating epoxy sealer which forms a tight bond to concrete substrates and cures to form a clear hard continuous film.

B. RECOMMENDED USE:

Intended as an optional sealer in Gaco 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.

C. PACKAGED PRODUCT DATA*:

PROPERTY	DESCRIPTION / MEASURED VALUE		
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.		
THEORETICAL COVERAGE	When applied to concrete that has been shot blasted or ground to a CSP 2 (concrete surface profile) 1 gal (3.8 L) of combined product will cover 190 ft ² (17.7 m ²). When concrete is prepped to CSP 3 standard – 1 gal (3.8 L) of combined product will cover 150 ft ² (13.9 m ²).		
SOLIDS**	WEIGHT:	100 %	**Nominal solids
	VOLUME:	100 %	
STORAGE STABILITY	One year when in an unopened and sealed container. Protect from freezing in shipment and storage.		
V.O.C.	2.7 oz / gal (20 g / L)		
FLASH POINT	PART "A":	> 200 °F (93.3 °C)	
	PART "B":	> 200 °F (93.3 °C)	
CURE TIME	Twenty-four (24) hours to achieve maximum hardness.		

D. APPLIED PRODUCT DATA*:

PROPERTY	DESCRIPTION / MEASURED VALUE		
ADHESION	Adheres to most surfaces and must be coated with GacoFlex E5320 before any top-coat is applied.		
CHEMICAL RESISTANCE	Excellent solvent and alkali resistance and good acid resistance.		
WEATHERABILITY	Not designed for continuous exterior exposure. Prime with GacoFlex E5320, followed by a UV-resistant topcoat such as GacoFlex U64 or GacoFlex U66.		
HARDNESS (CURED)	100 Shore	Pass	ASTM D2240

WATER ABSORPTION	4.0 % Maximum	Pass	ASTM D471
WATER VAPOR PERMEABILITY	0.10 Perm	Pass	ASTM E96 Procedure B 50 % R.H. Difference
TOXICITY	Not suitable for contact with edible substances or potable water.		

E. INSTALLATION INSTRUCTIONS:

INSTALL STEP	INSTRUCTIONS
1. THINNING	Do not thin product.
2. MIXING	Mix by one of the following methods: <ol style="list-style-type: none"> a. Pour one (1) container of Part “B” into a short-filled container of Part “A” (i.e. mix 1 qt (0.95 L) Part “B” into short-filled 1 gal (3.8 L) 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 (2) minutes with a power mixer and a jiffy type blade. Immediately empty entire contents out onto specified coverage area b. Pour 1 gal (3.8 L) Part “B” into a short-filled 5 gal (18.9 L) 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 (2) minutes with a power mixer and a jiffy type blade. Immediately empty entire contents out onto specified coverage area.
3. APPLICATION	The pot life of this product is eight (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. WARNING: If product is left in container, it will reach a very high temperature and be dangerous to handle.
4. TOP COATING	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. 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).
5. CLEAN UP	Remove all residual product on application tools and equipment promptly with acetone or xylene. WARNING: 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 appropriate Safety Data Sheet that is associated with this product.