GacoFloor™

Product Data Sheet (PDS):

GacoFloor™ E10 Series
Revised: 04/2026

GACOFLOOR™ E10

A. DESCRIPTION:

GacoFloor™ E10 series is a 100% solids two-component epoxy floor coating. GacoFloor™ E10 series is applied to properly prepared concrete floors to provide excellent wear and chemical resistance. For enhanced protection, GacoFloor™ PA1090 Polyaspartic topcoat may be applied after proper curing of GacoFloor.

RECOMMENDED USE:

- Warehousing & manufacturing facilities
- Laboratories, hospitals, healthcare facilities
- Stadiums & other entertainment venues
- Educational & institutional facilities
- Cafeterias, kitchens, storefronts, aisles

CONSIDERATIONS & LIMITATIONS

- This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the flooring.
- Do not use partial units. Prolonged exposure of product in containers to air may cause loss of clarity.
- Floors should be sloped to drain to prevent standing water or chemicals. All spills should be removed as soon as possible to prevent a slipping hazard.
- Do not thin with solvents unless advised to do so by Gaco.
- Confirm product performance in specific chemical environments with Gaco prior to use.
- Prepare substrate according to “Surface Preparation” portion of this document.
- Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been
- installed under the slab or over the substrate prior to coating.
- Always use protective clothing, gloves, and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material
- Safety Data Sheet for detailed safety precautions.
- For industrial/commercial use. Installation by trained personnel only.
- Do not apply coating when air temperature is within 5°F of dew point. Do not apply coating if air temperature is below 50°F and above 110°F.

C. PACKAGED PRODUCT DATA:

PROPERTY	*DESCRIPTION*
COLOR	E1022A-5K Gray Part A E1029A-5K Dark Gray Part A E10NEU-5K Neutral Part A E10B-5K Part B
ADHESION	Excellent adhesion to properly prepared concrete substrates
THEORETICAL COVERAGE	16 mils DFT at 1 gallon per square

SOLIDS	Weight: 100% ASTM D1644 Volume: 100% ASTM D2697
STORAGE STABILITY	2 years if stored between 60°F and 90°F (16°C to 32°C) in original container.
TOXICITY	Please read SDS for information on safety and handling of this product
V.O.C.	< 50 g / L EPA Method 24
FLASH POINT	Part A 180°F ; Part B >200°F
MIX RATIO	4:1 by weight (Part A:Part B)
PACKAGING	5-Gallon Unit

B. PHYSICAL PROPERTIES:

PROPERTY	*ASTM TEST*	*RESULT*
TENSILE STRENGTH	D412 (2 inch/minute)	>3000 psi
ELONGATION AT BREAK – INITIAL	D412 (2 inch/minute)	12%

C. APPLICATION:

STEP	INSTRUCTIONS
THINNING	Not recommended?
MIXING	Component A Resin should always be premixed prior to using due to possible additive separation. Use caution to not introduce air into the coating while mixing. Once components are homogenous, pour Component B Hardener into the Component A resin pail and mix for a minimum of two minutes, using a mechanical jiffy-type mixer operated at low speed. Scrape the side of the pail to ensure the entire product has been properly mixed; any unmixed material left on the side of the pail will not cure. **NOTE:** Do not turn the pail upside down and allow to drain onto substrate.
SURFACE PREPARATION	• Apply only to clean, dry, and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases, or any other contaminants. • New concrete should be cured a minimum of 28 days. • Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed. • Remove any laitance or weak surface layers. • Concrete should have a minimum surface tensile strength of at least 3000 PSI per ASTM D-4541. • Surface profile shall be CSP-2 to CSP-4 meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile. • Moisture vapor transmission should be 3 pounds or less per 1,000 square feet over a 60-72 hour time period (Minimum), as confirmed through a calcium chloride test, as per ASTM E-1907. Quantitative relative humidity (RH) testing, ASTM F-2170, should confirm concrete RH results <75%.

	• All surface irregularities, cracks, expansion joints, and control joints should be properly addressed prior to application. • Outgassing may occur due to the porosity of some concrete surfaces. To reduce the effect of outgassing, the primer and coating should be applied when the temperature of the concrete substrate is dropping. This usually occurs in the evening; however, the concrete substrate temperature should be measured with a surface thermometer for verification. •Prime surface with a GacoFlex™100EX Primer for epoxies on concrete surfaces. See data sheet for application details.
APPLICATION	Apply the mixed GacoFloor E-10 epoxy by pouring the mixed coating in a large “S” shaped pattern over the area to be coated. Immediately squeegee the coating to a uniform thickness over the desired area to be coated. Back and cross roll the coating using lint free phenolic core rollers. Material left in the pail will generate heat and have a reduced pot life. **NOTE:** If the coating has not been recoated within 48 hours, a light sanding followed by a wipe with a 50:50 mixture of water and isopropanol may be necessary. Allow the solvent to flash before applying coating.
DRY TIME	Dry to touch (70°F) - 8 hour Recoat Window - Minimum: 8 hours / Maximum: 48 hours Foot Traffic - 24 hours Heavy Traffic - 72 hours Full cure (70°F) - 7 days
APPLICATION OF TOPCOATS	Topcoat the epoxy floor after base coat is cured. Use GacoFloor™ 1090 Polyaspartic for enhanced UV protection and wearability.
CLEAN UP	Clean up tools and equipment with appropriate solvent such as GacoFlex T5112 or T5116 as permitted by local, state, or other regulatory agencies.

** For specific Health and Safety information please refer to applicable Safety Data Sheet (SDS)*