Gaco™

GACOFLEX™ GACODECK KIT
SINGLE-COMPONENT ELASTOMERIC DECKING SYSTEM

A. PRODUCT DESCRIPTION:

Complete decking system incorporating Gaco's single-component elastomeric coatings that are characterized by excellent hardness, strength, adhesion and water resistance. Provides lasting protection and waterproofing, plus accommodation for foot traffic.

B. RECOMMENDED USE:

A protective coating and membrane for non-ponding walking decks and those applications requiring a skid-resistant surface.

C. LIMITATIONS:

GacoDeck Kit is not recommended if joints and cracks exceed ⅛ in (3 mm) wide. Do not use GacoDeck Kit within climate zones that experience extremely cold temperatures of -20 °F (-29 °C) or below for over three (3) months out of the year.

D. PACKAGED PRODUCT DATA*:

PROPERTY	DESCRIPTION / MEASURED VALUE		
COLOR	DK01 – Oyster DK02 – Pewter DK16 – Shale DK18 – Adobe DK47 – Sedona DK49 – Desert		
SOLIDS	WEIGHT:	59.5 %	Method 4041 Fed. Std. 141
THEORETICAL COVERAGE	Four coats minimum are required; recommended final film build is 28 dry Mils (0.7 mm). GacoDeck Kit must be applied at the proper minimum rate of 100 ft² (9.3 m²) per kit to ensure proper coating thickness. For those surfaces classified as "smooth" – the application rate of 0.75 gal / 100 ft² (2.8 L / 9.3 m²) should be sufficient to yield 28 dry Mils (0.7 mm). Failure to do so may result in the product's failure to provide a waterproof membrane. Increase the application rate as necessary with consideration to factors such as relative surface roughness and other relative factors.		
FLAMMABILITY	Class A on non-combustible decks and Class C on combustible decks per UL790 (ASTM E108). Contact Gaco for Class B application recommendations.		
STORAGE STABILITY	Three (3) years from date of manufacture when stored in unopened containers between 40 – 85 °F (4 – 29 °C). Protect from freezing. Do not store below 35 °F (2 °C).		
V.O.C.	≤ 6.7 oz / gal (50 g / L)		
FLASH POINT	Above 200 °F (93 °C)		Tag Open Cup

E.   **APPLIED PRODUCT DATA*:**

PROPERTY	DESCRIPTION / MEASURED VALUE		
WEATHERABILITY	Excellent gloss retention, color stability and chalk resistance.		
ADHESION	Bonds to plywood, concrete, metal, fiberglass and previously coated surfaces.		
TENSILE	STRENGTH	900 psi (6.2 MPa)	ASTM D412
	ELONGATION	200 %	
	PERMANENT SET AT BREAK:	15 %	
TEAR RESISTANCE	250 lb / in (1.8 kg / mm)		ASTM D624 Die C
HARDNESS	90 Shore A		ASTM D2240
WATER VAPOR PERMEANCE	0.06 perm / in		ASTM E96 Method B 100 % R.H. difference
TOXICITY	Non-hazardous when completely cured.		

F.   **INSTALLATION INSTRUCTIONS:**

INSTALL STEP	INSTRUCTIONS
1. CLEANING	Remove large areas of dirt, mildew, grease and other debris with a broom. Apply GacoWash Concentrated Cleaner according to label instructions; do not wash a new plywood deck. Rinse with water and allow surface to dry for a minimum of forty-eight (48) hours. NOTE: Drying time depends on weather conditions such as temperature, humidity and air movement. If more than twelve (12) hours elapses between washing and application, wipe surface with a clean cloth to remove dust. All surfaces intended to receive product must be completely clean and moisture-free before any application is commenced.
2. FLASHING	All flashing must be flush with surface. If installing flashing, nail or screw every 6 in (152 mm). Care should be taken not to buckle the flashing during installation. Metal surfaces must be primed. Lightly sand surface and prime with GacoFlex E5320 Two-Component Epoxy Primer / Filler or a comparable exterior metal primer, according to label instructions. All flashing must be taped following the directions below.
3. CAULKING & TAPING	Inspect the substrate for all cracks and/or seams and prepare the substrate as necessary following the instructions in this section. Cut GacoDeckFill nozzle at an angle to the desired bead size and puncture inner seal. Start small and cut further down if you need a larger bead. Load GacoDeckFill cartridge into standard caulking gun. Apply GacoDeckFill to all joints, fastener indentations, cracks and transitions from the flashings to the plywood. Apply when temperatures are between 50 – 90 °F (10 – 32 °C). Joint and crack size should not exceed ⅜" (9.5 mm) wide. If width is greater than ⅜" (9.5 mm), use backer rod. Smooth flush with deck surface using a putty knife. Allow GacoDeckFill to dry for six (6) hours before using GacoDeck DeckTape. After taping, let dry for a minimum of six (6) hours before coating with GacoDeck TopCoat and allow the surface to sufficiently dry prior to any sanding. If GacoDeckFill has shrunk or settled, reapply as needed following the listed instructions.

3. CAULKING & TAPING *(Continued)*	NOTE: Longer dry times may be required for cold temperatures, high humidity or when filler Is heavily applied. GacoDeckFill that is allowed to dry more than twenty-four (24) hours should be wiped with a damp cloth. Once the GacoDeckFill is fully cured, tape all seams, joints, cracks, flashings and changes of plane with DeckTape. Working in small sections, apply a 5 – 6 in (127-152 mm) wide stripe of GacoDeck TopCoat. Cut the DeckTape to desired length, making all cuts with scissors. While coating is still wet, center the strip of DeckTape over the seams, joints, cracks and flashing. Embed smoothly into the coating. Immediately brush another layer of coating over the DeckTape, smoothing out any wrinkles with a brush. Verify the DeckTape is completely cured with TopCoat. If more than one piece of tape is used, overlap any adjoining pieces by a minimum of ½ in (13 mm). Allow the surface to dry. Inspect tape when coating is dry or nearly dry to ensure the tape is bonded to substrate and completely smooth. Press down any fish mouths or wrinkles, cutting and re-bonding if necessary. Once dry, inspect DeckTape for fish mouth cavities, wrinkles bare spots and other defects, and repair as needed. For a seamless finish, lightly sand the edges of the coated tape with medium grit sandpaper using a palm sander or sanding block before applying the first top coat. To prevent dirt pickup, do not leave DeckTape exposed; coat with GacoDeck Top Coat as soon as it is applied – do not allow accumulation of dirt or debris. If the GacoDeck Top Coat will terminate where there is no natural break, use painter's tape to create a clean, sharp edge.
4. SUBSTRATE PREPARATION	**PREVIOUSLY COATED SURFACES:** Prime surface with GacoDeck Primer at the rate of 0.5 gal / 100 ft² (1.9 L / 9.3 ft²) over entire surface before applying first top coat. If surface is previously painted and has a glossy finish, lightly sanding the surface is recommended before applying primer. **PLYWOOD:** No primer is required for new plywood applications. If the substrate is a previously coated plywood deck please see "Previously Coated Surfaces" directions. Refer to the "Deck Construction and Preliminary Preparation" for full details. NOTE: Do not use unsuitable grades of plywood. GacoDeck is not recommended for teak, cedar or redwood due to tannin bleeding on light colors. GacoDeck is also not recommended if joints and cracks exceed ⅛" (3 mm) wide. **CONCRETE:** Concrete surfaces to receive GacoDeck coating must be structural concrete that is properly ventilated, 'On grade' concrete slabs must be poured over minimum 4 in (102 mm) pea gravel base or equivalent. Concrete must cure and dry four weeks before GacoDeck application. Concrete surface should be smooth and free from rock pockets or voids without being burnished. Etching of concrete is not normally required. If concrete surface shows evidence of dusting or chalk, etch surface prior to coating application as follows: Apply diluted muriatic acid (3-parts water / 1-part muriatic acid) at a rate of 0.33 gal / 100 ft² (1.25 L / 9.3 m²) following label directions and precautions.

4. **SUBSTRATE PREPARATION** *(Continued)*	Allow the solution to work for two (2) – three (3) minutes. Scrub with stiff brush and flush with clean water to rinse from surface. NOTE: Allow surface to dry for a minimum of forty-eight (48) hours. **FIBERGLASS:** No primer is required for fiberglass applications. Lightly sand surface before applying GacoDeck. Apply per packaging label instructions with kit.
5. **APPLICATION**	Confirm the substrate is completely dry by laying a 4 ft² (0.4 m²) piece of plastic sheeting on the deck, taped at all four corners. After a minimum of four (4) hours, pull back the plastic and verify there is no amount of moisture on the deck or plastic. If moisture persists, continue drying until moisture no longer exists. Four (4) coats are required; recommended final film build is 28 dry Mils (0.7 mm). GacoDeck must be applied at the proper rate of 100 ft². (9.3 m²) per kit to ensure proper coating thickness. Failure to do so may result in the product's failure to provide a waterproof membrane. Mix before application to ensure uniform color and consistency **BASE COATS:** Two (2) base coats are required; apply at a rate of 0.75 gal / 100 ft² (2.8 L / 9.3 m²) by roller as received. Apply a heavy coat over the entire surface, including taped or flashed areas to create the waterproof elastomeric membrane. Allow the first base coat to dry for a minimum of two (2) – four (4) hours. Apply second base coat as soon as the first coat can be safely walked on. Wrap roller cover in aluminum foil or plastic in between coats. **TOP COATS:** Add all the GacoGrip Texture Granules to the remaining coaling. Stir thoroughly for uniform consistency. Apply two (2) separate coats at a rate of 0.75 gal / 100 ft² (2.8 L / 9.3 m²) roller as received. Apply first coat in a North-South direction and allow to dry for a minimum of two (2) – four (4) hours. Apply final coat in an East-West direction as soon as the first coat can be safely walked on. If more than seventy-two (72) hours elapses between coats, clean with GacoWash according to label directions. Final coat should be allowed to cure for seventy-two (72) hours (depending on temperature and humidity) before suitable for heavy objects or foot traffic.
6. **CLEAN-UP**	Clean up with mild soap and fresh water.

* *For specific Safety and Health information please refer to the appropriate Safety Data Sheet that is associated with this product.*