

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoDeck Kit
July 2015
Supersedes 10/07

GACODECK KIT WATER BASED ELASTOMERIC COATING

- DESCRIPTION:** Gaco Western's GacoDeck Kit water-borne, single component elastomeric coatings are characterized by excellent hardness, strength, adhesion and water resistance. The GacoDeck Kit provides lasting protection and waterproofing, plus a skid-resistant surface that cleans up easily.
- USAGE:** A protective coating and membrane for non-ponding walking decks
- COLORS:** DK01 Oyster, DK02 Pewter, DK16 Shale, DK18 Adobe, DK47 Sedona, DK49 Desert
- LIMITATIONS:** GacoDeck is not recommended if joints and cracks exceed 1/8' wide. For climate zones that experience extremely cold temperatures of -20°F (-29°C) or below for over 3 months, GacoDeck Kit is not recommended.

APPLIED PRODUCT DATA

- WEATHERABILITY:** Excellent gloss retention, color stability and chalk resistance.
- TOXICITY:** The cured coating is classified as nonhazardous.
- ADHESION:** Bonds to plywood, concrete, metal, fiberglass and previously coated surfaces.
- TENSILE:** ASTM D412
Strength: 900 psi (6.21 MPa)
Elongation: 200% min.
Permanent Set At Break: 15% max.
- TEAR RESISTANCE:** ASTM D624 Die C
lbs/inch 250 lb./in. min.
- HARDNESS:** ASTM D2240 90 Shore A
- WATER VAPOR PERMEANCE:** ASTM E96 0.06 perms-inches
Method B, 100% R.H. difference
- FLAMMABILITY:** Class A on non-combustible decks and Class C on combustible decks per UL-790 (ASTM E108). Contact Gaco Western for Class B application recommendations.

PACKAGED PRODUCT DATA

- THEORETICAL COVERAGE:** 0.75 gallons per 100 Sq. Ft. to yield 28 dry mils on a smooth surface.
Four coats are required; recommended final film build is 28 dry mils. GacoDeck must be applied at the proper rate of 100 sq. ft. per kit to ensure proper coating thickness. Failure to do so may result in the product's failure to provide a waterproof membrane.
- SOLIDS:** Weight: Method 4041 59.5%
Fed. Std. 141
Volume: 47%
- V.O.C:** ≤ 50 g/L
- FLASH POINT:** Above 200°F (93°C). Tag Open Cup

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STORAGE STABILITY: Three 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).

APPLICATION

SPECIAL CIRCUMSTANCES: During weather above 90°F (32°C), apply coating in morning or evening. Do not apply during temperatures below 50°F (10° C) or if temperatures will fall below 50°F within 6 hours. Wait 72 hours before using deck or placing heavy objects on surface. In extremely cold climates 10°-15°F (-9° to -12°C) over a three month period, GacoDeck Primer must be used in conjunction with GacoDeck. If GacoDeck Primer is not used with GacoDeck, your deck could experience surface cracks. There are two modifications to the instructions above for extreme cold weather climates. First, all taping and flashing details must utilize GacoDeck Primer instead of GacoDeck TopCoat. Second, apply one coat of GacoDeck Primer at rate of 1 gallon per 200 square feet over entire surface prior to the first base coat. After primer is dry, you can follow normal GacoDeck instructions starting with "Base Coats" section.

SURFACE PREPARATION: 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 48 hours. Note: Drying time depends on weather conditions such as temperature, humidity and air movement. If more than 12 hours elapses between washing and application, wipe surface with a clean cloth to remove dust.

SUBSTRATES: **PREVIOUSLY COATED SURFACES:** Clean surface with GacoWash Concentrated Cleaner. Allow surface to dry for a minimum of 48 hours. If applicable, prepare all cracks and seams following "Flashing, Caulking and Taping" directions. Prime surface with GacoDeck Primer at the rate of 1 gallon per 200 square feet 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: Prepare all major seams, cracks and joints before cleaning the substrate with GacoWash; do not wash a new plywood deck. Allow surface to dry for a minimum of 48 hours. Prepare all cracks and seams following "Flashing, Caulking and Taping" directions. No primer is required for new plywood applications. If it is a previously coated plywood deck please see "Previously Coated Surfaces" directions. 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 not recommended if joints and cracks exceed 1/8" wide. Refer to the "Deck Construction and Preliminary Preparation" for full details.

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" 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 75 square feet per quart following label directions and precautions. Allow the solution to work for 2-3 minutes. Scrub with stiff brush and flush with clean water to rinse from surface. Allow surface to dry for a minimum of 48 hours.

FIBERGLASS: No primer is required for fiberglass applications. Lightly sand surface before applying GacoDeck.

FLASHING, CAULKING AND TAPING: **FLASHING:** All flashing must be flush with surface. If installing flashing, nail or screw every 6". Care should be taken not to buckle the flashing during installation. Metal surfaces must be primed. Lightly sand surface and prime with GacoFlex E5320 2-Part Epoxy Primer/Filler or a comparable exterior metal primer, according to label instructions. All flashing must be taped following the directions below.

CAULKING & TAPING: 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 3/8" wide. If width is greater than 3/8", use backer rod. Smooth flush with deck surface using a putty knife. Allow GacoDeckFill to dry for 6 hours before using DeckTape. After taping, let dry for a minimum of 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. 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 24 hours should be wiped with a damp cloth prior to TopCoat application. 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" 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 1/2". 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. If the GacoDeck Top Coat will terminate where there is no natural break, use painter's tape to create a clean, sharp edge.

APPLICATION:

Confirm the substrate is completely dry by laying a 4 square foot piece of plastic sheeting on the deck, taped at all four corners. After a minimum of 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 coats are required; recommended final film build is 28 dry mils. GacoDeck must be applied at the proper rate of 100 sq. ft. 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 base coats are required; apply at a rate of 0.75 gallons per 100 square feet by roller as received. Apply a heavy coat over the entire surface, including taped or flashed areas in order to create the waterproof elastomeric membrane. Allow the first base coat to dry for a minimum of 2-4 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 of the GacoGrip Texture Granules to the remaining coating. Stir thoroughly for uniform consistency. Apply two separate coats at a rate of 0.75 gallons per 100 square feet by roller as received. Apply first coat in a North-South direction and allow to dry for a minimum of 2-4 hours. Apply final coat in an East-West direction as soon as the first coat can be safely walked on. If more than 72 hours elapses between coats, clean with GacoWash according to label directions. Final coat should be allowed to cure for 72 hours (depending on temperature and humidity) before suitable for heavy objects or foot traffic.

CLEAN UP:

Clean up with soap and water.

CAUTION:

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