

Product Data Sheet (PDS):

GacoFlex<sup>™</sup> UB64 Series Revised: 09/2022

# GACOFLEX™ UB64 SERIES TWO-COMPONENT POLYURETHANE BASE COAT

### A. DESCRIPTION:

GacoFlex UB64 Series is a two-component polyurethane base coat that is hydrolytically stable and possesses fire-retardant properties.

#### B. RECOMMENDED USE:

Use as a base coat on roofs, mechanical room floors, walking decks and traffic decks where polyurethane coating systems require fire retardance, toughness, fast cure and good solvent resistance. Suitable substrates include plywood, polyurethane foam, properly primed concrete and metal. GacoFlex UB6421 (BLACK) is suitable for exterior exposure and may be used as a top coat. GacoFlex UB6407 (WHITE) must be top coated when exposed to the weather. GacoFlex UB64 Series coatings must be top coated within seventy-two (72) hours in order to achieve acceptable top coat adhesion.

#### C. PACKAGED PRODUCT DATA<sup>1</sup>:

| PROPERTY                | DESCRIPTION                                                                                                                                                                                                                                                                                          |  |  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| ADHESION                | Adheres well to wood, neoprene, Hypalon coatings, acrylic coatings and Gaco<br>primers. See primer recommendations below for specific surfaces. UB64<br>Series Coatings may be recoated when dried to touch and with a maximum<br>timeframe of seventy-two (72) hours after application is complete. |  |  |
| COLOR                   | UB6407 = WHITE <sup>2</sup><br><sup>2</sup> When Part A & B mixed sufficiently<br>NOTE: Color is approximate only due to coating being a base coat only, will<br>vary in appearance from back to batch.<br>UB6421 = BLACK <sup>3</sup><br><sup>3</sup> W/ken Part A & D mixed sufficiently.          |  |  |
| CHEMICAL<br>RESISTANCE  | <ul> <li><sup>3</sup> When Part A &amp; B mixed sufficiently</li> <li>Good salt, acid, alkali and solvent resistance.</li> <li>Excellent hydrolytic stability up to 160 °F (71 °C).</li> </ul>                                                                                                       |  |  |
| THEORETICAL<br>COVERAGE | 1200 ft <sup>2</sup> / gal / Mil (29.5 m <sup>2</sup> / 3.8 L / 0.02 mm)<br>A&B Combined Coverage:<br>4 gal / 100 ft <sup>2</sup> (15.14 L / 9.3 m <sup>2</sup> ) to yield 1/16 in (1.6 mm) thickness.                                                                                               |  |  |
| SOLIDS                  | WEIGTH:         83.5 ± 1%         METHOD 4041           VOLUME:         75.0 ± 1%         FED. STD. 141                                                                                                                                                                                              |  |  |
| STORAGE<br>STABILITY    | Part A and Part B: Unopened – One (1) year at $50 - 80 ^\circ\text{F} (10 - 27 ^\circ\text{C})$                                                                                                                                                                                                      |  |  |
| ΤΟΧΙΟΙΤΥ                | Inhaling high vapor concentration of solvents could have adverse health effects. Part B contains isocyanate prepolymer, which is toxic if heated in a confined area and inhaled as particulate matter. Wear respiratory protection if material is heated, sprayed, or used in a confined space.      |  |  |
| V.O.C. <sup>4</sup>     | 222 g / L <sup>4</sup> <u>SCAQMD-Compliant / Low-VOC available</u> EPA Method 24       as <u>UB64C Series (Compliant)</u> . Refer to separate         PDS.                                                                                                                                           |  |  |
| FLAMABILITY             | UL-Listed as Class-A Roof Covering System per UL790 / ASTM E108                                                                                                                                                                                                                                      |  |  |
| FLASH POINT             | Part A: 22 °F (-6 °C) / Part B: 45 °F (7 °C) ASTM D-56 (Tag Closed Cup)                                                                                                                                                                                                                              |  |  |

| WEATHERABILITY | GacoFlex UB6407 is not designed for long term exposure to weather without top coating. Excellent durability when top coated or when GacoFlex UB6421 is used.                                               |  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| THINNER        | GacoFlex T5116 Thinner for Aliphatic and Aromatic Polyurethane. Brush, roller or spray application – refer to appropriate PDSs and application guides for complete preparation and installation processes. |  |

## D. APPLIED PHYSICAL PROPERTIES:

| PROPERTY                                                   | STANDARD                                                       | REQUIREMENT                           | RESULT                                      |
|------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------|---------------------------------------------|
| TENSILE STRENGTH                                           | D412 /<br>ASTM D3137                                           | 2100 ± 100 psi<br>(14.48 ± 69<br>MPa) | -3 %                                        |
| ELONGATION                                                 | D412 /<br>ASTM D3137                                           | -                                     | 400% ± 25%                                  |
| PERMANENT SET AT<br>BREAK                                  | D412 /<br>ASTM D3137                                           | >= 200 psi<br>(1.4 MPa)               | -8 %                                        |
| HARDNESS                                                   | D2240                                                          | -                                     | 90 ± 5 Shore A                              |
| TEAR RESISTANCE                                            | D624,<br>Die C                                                 | -                                     | 375 ± 25 lb / in<br>(66.9 ± 4.5 kg(f) / cm) |
| WATER ABSORPTION                                           | D471,<br>24 hours R.T.                                         | -                                     | 2 %                                         |
| WATER VAPOR<br>PERMEABILITY –<br>20 MILS DFT (INCH POUNDS) | ASTM E-96<br>Procedure B Max.<br>100% RH difference<br>@ 23 °C | -                                     | 0.02 perm in                                |
| LOW TEMPERATURE<br>BITTLENESS                              | D746                                                           | -                                     | -50 °F (-45 °C)                             |

## E. APPLICATION:

| STEP            | INSTRUCTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRIMER          | PER SUBSRTATE TYPE:         1.) POLYURETHANE FOAM: No primer necessary         2.) WOOD: No primer necessary         3.) CONCRETE: GacoFlex E5691         4.) METAL: GacoFlex E5320                                                                                                                                                                                                                                                            |
| MIXING          | WARNING:GACOFLEX UB64 SERIES COMPONENTS CANNOT BE COMBINEDWITH GACO FLEX U66 SERIES COATINGS.Stir Part A and Part B separately to suspend any settled pigment. Combine equalvolumes of Part A and Part B. Mix thoroughly with a power mixer. T5116 thinner maybe added during mixing to thin coating if necessary. Apply by spray, brush or roller withworkable viscosity range (pot life), usually one (1) hour at 70 °F (21 °C) and 50 % R.H |
| POT LIFE        | Forty-five (45) minutes at 70 °F (21 °C) and 50 % R.H.                                                                                                                                                                                                                                                                                                                                                                                         |
| APPLICATI<br>ON | Apply by spray, brush or roller with workable viscosity range (adjusted per environmental conditions). When application of a GacoFlex UB64 Series coating is to surfaces with a temperature between $33 - 50$ °F (1 –10 °C), mix Part A and Part B then warm to 60 °F (16 °C) minimum, and let mixture stand for a minimum of fifteen                                                                                                          |

|          | (15) minutes before application. This will cause a viscosity increase and thinning may be needed for application.                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | NOTE: Do not apply any GacoFlex UB64 Series coating to any surface with a temperature below 33 °F (1 °C).                                                                                                                                    |
| DRY TIME | Applied coating will set with two (2) hours at 70 °F (21 °C) and 50 % R.H Suitable for light foot traffic after a minimum twenty-four (24) hours of cure time. For vehicular traffic, add an additional twenty-four (24) hours of cure time. |
| RE-COAT  | Can be recoated after minimum two (2) hours of cure time at 70 $^{\circ}\text{F}$ (21 $^{\circ}\text{C}$ ) and 50 $\%$ R.H.                                                                                                                  |

<sup>1</sup> For specific Health and Safety information please refer to applicable Safety Data Sheet (SDS)