



**"BUTTERR™" ULTRA LIGHTWEIGHT UNDERLAYMENT**

BIO-DEK™ "BUTTERR™" Ultra Lightweight Underlayment – A revolutionary bio-renewable / bio-infused, 3 component, 100% solids epoxy ultra-lightweight underlayment material designed with performance characteristics which include low odor, flexibility, excellent adhesion, hydrophobicity and low temperature cure. The resin structure design is based on cashew nut shell liquid and the aggregate structure is based on recycled glass, which creates a high-performance underlayment material. All properties are designed to meet the high-performance standards of IMO & US Navy 32584 and 3135H Mil Spec Standards. This leveling material will provide a seamless, water proof barrier designed to work in wet spaces, galleys, passage ways and all other areas where deck irregularities need to be removed from a deck plate. Material can be applied from a feather edge to 3 inches in a single application. The structure is designed to receive all top coat systems including, BIO-DEK™ Colorflake, One-Step epoxy terrazzo, carpet, sheet vinyl, VCT and ceramic tile.

**Certifications**

Mil Spec - MIL-PRF 32584 - Type V, Classes 1 & 2, Grade A, Composition E - Part of Decorative Color Flake System  
 Mil Spec - MIL-PRF 3135H - Type III, Class 2, Grade B - Part of BIO-DEK™ Ultra Lightweight Underlayment System  
 IMO - Certified to Parts 2 & 5 of IMO FTP Code - USCG Cert#164.106/65/0

<i>VOC</i>	<i>0g/l Theoretical-Additives may contain unreported trace amounts of VOC</i>
<i>MIX Ratio by volume</i>	<i>1.6:1:15 (A:B:C)</i>
<i>Pot Life/Working time</i>	<i>80 minutes at 70°F (21°C)</i>
<i>Dry to walk on time</i>	<i>8 hours at 70°F (21°C)</i>
<i>Color</i>	<i>Opaque Tan</i>
<i>Thinning</i>	<i>Not required</i>
<i>Specific Gravity</i>	<i>.75</i>
<i>Shelf Life</i>	<i>2 Years if stored in original airtight container not exposed to undue heat or humidity</i>
<i>Coverage</i>	<i>Approximately 38ft<sup>2</sup> (3.5m<sup>2</sup>) at .25in (6.33mm)</i>

**Storage/Application Environment**

Materials need to be kept in original packaging and stored within 50°-90° F. The same temperature range needs to be held during application. Keep 5° above dew point during application. Note that temperature will greatly affect the pot life and cure times of this material.

**"BUTTERR™" ULTRA LIGHTWEIGHT UNDERLAYMENT****Packaging & Ordering Information****Weight per kit:**

35.6 lbs (16.2kg)

**BIO-DEK™ "BUTTERR™" Ultra Lightweight Underlayment Part A contains:**

6.6 lbs (3kg) or .70 gallons of product in a premeasured 1 Gallon (3.8L) can

**BIO-DEK™ "BUTTERR™" Ultra Lightweight Underlayment Part B contains:**

4.4 lbs (2kg) or .48 gallons of product in a premeasured 1 Gallon (3.8L) can

**BIO-DEK™ "BUTTERR™" Ultra Lightweight Underlayment Part C contains:**

24.6 lbs (11.2 kg) or 7.25 gallons of aggregate packed in a bag

**Surface Preparation**

Proper inspection and preparation of the substrate to receive BIO-DEK™ "BUTTERR™" Ultra Lightweight Underlayment is critical. This material is designed to apply over wet BIO-DEK™ Grip Coat-See Product Data Sheet for recommendations of that product. If Grip Coat is cured, surface must have a 1-3 mil (25-75 micron) profile prior to application, surface must be clean and dry.

**Applications**

To apply, mix BIO-DEK™ "BUTTERR™" Part A with BIO-DEK™ "BUTTERR™" Part B using a mechanical mixer with a Jiffy blade for 1.5 minutes in a separate container. Be careful to scrape the sides of the original cans when transferring to the larger mixing container. Blend BIO-DEK™ "BUTTERR™" Aggregate Part C into the liquid portion immediately using a concrete mixing blade until mixture is wet and homogenous. Material needs to be evenly mixed before applying to the deck by trowel. This material is designed to be applied over BIO-DEK™ Grip Coat.

**Cleaning & Safety**

Use in well ventilated area. Mixing and application equipment should be cleaned immediately with toluene, xylene or denatured alcohol. Fire and health precautions should be observed when handling solvents. Always refer to current SDS before use.

**Warranty**

This product is sold without warranty and no implied warranty is to be raised from circumstances accompanying sale or use thereof. Results obtained by the use of BIO-DEK™ compounds and their hardeners depend on workmanship and conditions under which we have no control. Therefore the only guarantee that is given by us is to replace such goods that are defective in manufacture, or give credit at our option. Under no circumstance are we responsible for any damages beyond the price of material, and no charge for labor, expense, or consequential damages will be allowed. If materials prove to be defective, the measure of damages is the price of the defective material. Our salesman or representatives have no authority to extend any guarantees beyond that outlined above. Product is asbestos free and non-toxic.