Control and Containment of Dust and Debris with GLOBAL Encasement, Inc.

Why Replace? - Just Encase!

www.encasement.com
A Pro-Planet Company with Green Coatings

GEI products as your best value investment offer:

• High quality, high performance non-toxic, water-based super compliant zero and low VOC architectural green coatings engineered and manufactured using fresh 100% acrylic polymers and copolymers

• Field proven Class A Fire Rated and extensively tested by third party independent and accredited laboratories

• Environmentally perfect, cost effective, long-lasting, warranted coating system designs that give proven measurable results and can provide answers to your toughest building maintenance challenges

Proven, Original Customer System Designs
Manage-in-place Asbestos and Lead
Solar/Heat Reflective Roof Coating Systems
Roofing and Building Retrofits
Weatherproof Building Exteriors
Historic Preservation

Why Replace? – Just Encase!
World-Class Solutions for Better Building Environments

701 E. SANTA CLARA ST., VENTURA, CA USA
(TEL) 800-266-3982 / (FAX) 800-520-3291
www.encasement.com
GLOBAL Encasement, Inc. products have passed Independent Testing by third party, independent accredited laboratories and results have met or exceeded the minimum requirements to pass all the test procedures listed below.

Southwest Research Institute, TX

- ASTM E162  Surface Flammability of Materials - Class A.
- ASTM E119  Does not adversely affect rating of fireproofing.

European Certification Tests

- EN 13823  Class B - Reaction to fire tests for building products.
- EN ISO 11925-2  Class B - Reaction of fire tests – Ignitability of building products subjected to direct impingement of flame.

Warrington Fire Safety Labs, UK


Anderson Laboratories, Inc., MA

- UPITT Test for Combustion Product Toxicity (nothing toxic is released in a fire).

CalCoast Analytical Laboratories, CA

- ASTM D1653  Moisture Vapor Transmission
- ASTM E313  Yellowing
- ASTM E96  Moisture Vapor Transmission
- ASTM D4214  Chalking
- ASTM D522  Elongation / Flexibility
- ASTM D2794  Impact Resistance
- ASTM D714  Blister Resistance
- ASTM D610  Rust Resistance
- ASTM G-53  QUV Exposure (1000 hour test)
- ASTM E736  Adhesion
- ASTM C732  Accelerated Weathering (1000 hour test)
- EPA METHOD 24  Volatile Organic Content (VOC)
- HELP Technical Document #100-93 Lead Access Testing (passed)

D.L. Laboratories, Inc., NY

- ASTM D1653  Water Vapor Permeability-Method A
- ASTM D2370  Viscoelastic Properties
Testing and Approvals

ASTM D3359  Adhesion-Liquid
ASTM D4541  Adhesion-Reinforced Products
ASTM D3960  Volatile Organic Content (VOC)
ASTM D4060  Abrasion Resistance
ASTM D1308  Distilled Water and Chemical Resistance
ASTM D2486  Scrub Resistance
ASTM D3273/3274  Mildew Resistance
ASTM E-1795-97  Standard for Liquid Coating Encapsulation Products for Lead Paint in Buildings
ASTM D4214  Chalking
ASTM D1475  Density or weight per gallon
ASTM D1005, 1186  Dry-film thickness
ASTM D823  Film application on test panels
ASTM D522  Flexibility
ASTM D4708  Free film preparation
ASTM D2794  Impact resistance
ASTM E300  Sampling
ASTM D3924  Standard laboratory conditions
ASTM D2370  Tensile properties
105 CMR 460.115  Toxicological Assessment Protocol for Encapsulants
DL-11667A  Modified Heat Resistance Test

Korean Testing & Research Institute
KS M ISO 11890-2: 2012  Volatile Organic Content (VOC) (GC/FID)
Asbestos Scattering Test  Korean Test Laboratory conducted the test methods by applying the coatings on Asbestos Containing Materials (ACM) then aggressive air sampling is completed and analyzed by Transmission Electron Microscope (TEM).

Result: No asbestos fiber has been detected.

Roof Testing and Approvals

UL 790  Underwriter’s Laboratories UL 790 Class A Rating, Listing #R15397
An investigation of the external fire resistance characteristics of our water based acrylic topcoat (AsbestoSafe® / Your Last Coat™ /
**RoofCoat™** applied over a rated and unrated built up roof deck was conducted. Based on the results, the roof covering and coating system meets the Class "A" Burning Brand and Class "A" Intermittent Flame over a Class "A" rated roof system and meets Class "B" Burning Brand and Intermittent Flame acceptance criteria over unrated roof systems. The combination of these two evaluations on both rated and un-rated BUR and 3-tab composition roofing systems has established the coating system will not change the existing roof system rating, Class A, B or C."

**Mold/Mildew Testing**

- **ASTM D4488** Guide for testing cleaning performance of products intended for use on resilient Flooring and washable walls (*Premeclean™*)
- **ASTM D3273** Standard test method for resistance to growth of mold on the surface of interior Coatings in an environmental chamber
- **ASTM D3274** Standard test method for evaluating degree of surface disfigurement of paint Films by microbial (fungal or algal) growth or soil and dirt accumulation
- **ASTM G21** Standard practice for determining resistance of synthetic polymeric materials to fungi

**Approvals and Acceptances**

- **U.S. Government Contract #GS06F0010J** - Worldwide GSA Federal Supply Service Multiple Award Schedule
- Complies with **U.S. Executive Orders** for Energy Efficiency and Pollution Prevention, former Executive Order 13101 and current Executive Order 13423.
- **DL Labs Certified 20-Year Lead Encapsulant and ASTM E1795 Tested**
- Approved for use in all the U.S. Territorial Governments, including, Guam, Midway Islands, Federated States of Micronesia, American Samoa, Puerto Rico and U.S. Virgin Islands
- Encasement is a **US Environmental Protection Agency (EPA)** Accepted abatement method
- **Energy Star Partner** - Energy Star is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping to save citizens money and protect the environment through energy efficient products and practices.
Testing and Approvals

- Approved for interior and exterior use by all United States Departments of Health
- Passed Massachusetts Dept. of Public Health Encapsulation Product Performance Protocol
- Specified and used worldwide, including Japan, Philippines, South Korea, United Kingdom, Austria, Romania, New Zealand, Canada, Mexico, Barbados, Cayman Islands
- Accepted by the Canadian Government and Approved by the Canada Ministry of Labour
- Underwriter’s Laboratories (UL Listed)
- Accepted by WR Grace for use over fireproofing materials.
- Approved and specified for use by the US Departments of Agriculture (USDA), Housing and Urban Development (HUD), Energy (DOE), Justice (DOJ), Defense (DOD: US Navy, US Air Force, US Coast Guard, US Army), Defense District Schools (DODDS), US Veteran’s Administration Medical Centers
- School System Specified, including New York City School Construction Authority, Los Angeles Unified School District, San Bernardino Unified School District, New Orleans Public Schools District, Columbia University, Yale University, Harvard University, University of California
- Does not adversely affect the fire rating of asbestos fireproofing, and complies with all known building codes, rules and regulations.
- Accepted for use over fiberglass or most other fiber containing materials.
- Qualifies as super compliant low VOC architectural coatings in accordance with SCAQMD (South Coast Air Quality Management District)
  - Low VOC materials have Class "A" Fire Rating (Flame Spread = 0, Smoke Developed = 5)
  - Passed UPITT Test for Combustion Product Toxicity (accepted for use in elevator shafts)
- Accepted for use by the City of New York, Department of Buildings, MEA #309-94-M
- New York City Vendor #0002085630-1
- Complies with State of New York-Uniform Bldg. Code #1120-15
- Registered with New York State Office of Fire Prevention and Control
- Complies with City of Phoenix, AZ Construction Code Requirements
- City of Phoenix Approval of AsbestoSafe® Encasement Products over Existing Fireproofing Materials
- Passed Korean Standard by either encasement or encapsulation

Why Replace? – Just Encase!

World-Class Solutions for Better Building Environments
Your Last Coat™

1. PRODUCT NAME
Your Last Coat™

2. MANUFACTURER
GLOBAL Encasement, Inc.
701 E. Santa Clara St., Ventura, CA 93001 USA
Phone: (800) 266-3982 / Fax: (800) 520-3291
www.encasement.com

3. PRODUCT DESCRIPTION
Your Last Coat™ is a high performance, UV resistant, water-based, acrylic, non-toxic, zero VOC green coating that is tough, abuse, rust, rot, mildew, fire and chemical-resistant and forms a waterproofing membrane. Its moisture vapor transmission qualities make it perfect for historic preservation and can be custom tinted almost any color.

USES: Over most interior or exterior surfaces - wood, plaster, stucco, masonry, concrete, metal, structural steel, transite, galbestos, wood or asphalt roofing shingles, built-up roofing, fiberglass, vermiculite and ceramic fiber.

Use it to seal and encase roofing, Asbestos-Containing Materials (ACM), Lead-Based Paint (LBP), walls, ceilings, trim, ducts, pipes, siding, window trim, porch railings, posts, overhangs, fences, and transite.

Your Last Coat™ GREEN Features:
- Class A Fire Rated
- UL Listed Roof Coating
- Certified Lead Encapsulant - ASTM E-1795 Tested
- Approved for use over Asbestos-Containing Materials
- LEED Solar Reflective Energy Star Roof Coating
- LEED Zero VOC, Non-Toxic
- Mercury and Lead Free
- Sustainable/Renewable
- Easy to use, cleans up with water

Your Last Coat™ PERFORMANCE Features:
- Extremely tough, durable and flexible
- Mildew and mold-resistant
- Fire, chemical, impact, and abuse-resistant
- Waterproof, breathable
- Can be custom tinted almost any color

4. TECHNICAL DATA AND PROPERTIES
Solids by weight: 66% (+/- 2%)
Solids by volume: 52% (+/- 2%)
Weight per gallon: 11.85 lbs
VOC: Zero
Liquid appearance: Bright white with mild scent
Viscosity: 110 +/-10 KU
Drying time:
- To Touch: 1-4 hours
- Recoat After Dry To Touch: 2-8 hours
- Full Cure: 10-14 days
Shelf life: 12 months when properly stored

Your Last Coat™ has an elongation of 329% and a tensile strength of 304 psi, superior flexibility, high impact resistance and adhesion all tested in accordance with (ASTM D 6083) standard testing protocol for liquid applied roofing systems.

5. PRODUCT INSTALLATION
- Your Last Coat™ is ready to use.
- DO NOT DILUTE. PROTECT FROM FREEZING.
- Apply by brush or roller, or airless sprayer.
- All surfaces must be clean, dry, and free of mold, mildew, chalking, dirt, grease, oil, or other contaminants that would interfere with proper adhesion.
- Best applied in temperatures between 50°F and 100°F.
- Dries in 2-8 hours. Cool temperatures and high humidity can affect dry and cure time.
- Follow manufacturer’s application guidelines.
- Easy to use and clean up is with water.

COVERAGE:
Your Last Coat™ Coverage rate varies depending upon the porosity and texture of the surface being encased.

Theoretical coverage on a flat non-porous surface is:
- Interior System = 7 mil DFT @ 37 sq. ft./gallon
- Exterior System = 14 mil DFT @ 68 sq. ft./gallon

On Roofing:
- 10-Year System = 16 mil DFT @ 60 sq. ft./gallon
- 20-Year System = 32 mil DFT @ 30 sq. ft./gallon

*DFT: Dry Film Thickness

<table>
<thead>
<tr>
<th>Product</th>
<th>Wet Mils</th>
<th>Dry Mils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your Last Coat™</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>31</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>32</td>
</tr>
</tbody>
</table>

Follow manufacturer’s application guidelines.

Spray Application: Use self-cleaning reversible spray tip size .019-.035 (.021 is most often used).

Brush: Use any nylon bristle brushes.
Roller: Use a ¾ inch nap.

6. AVAILABILITY AND COST
Call GLOBAL Encasement, Inc. at 800-266-3982 for pricing and availability.

Available Package Sizes:
- 5 gallon pail, 55 gallon drum & 275 gallon tote.

7. WARRANTY
GLOBAL Encasement, Inc. can warrant for a period of up to twenty (20) years from the date of purchase that Your Last Coat™ is free of any defects in manufacturing. The Limited Warranty herein described shall be in lieu of any other warranty, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.

GLOBAL Encasement, Inc.’s sole liability under this Limited Warranty shall be, at its option, to replace any portion of the product proven to be defective in manufacture.

Any defects discovered must be reported to GLOBAL Encasement, Inc. within the Limited Warranty period, and no later than 30 days after discovery.

This Limited Warranty does not extend to liability for any damages due to abuse by occupants, improper maintenance, water damage, or any other causes beyond anticipated conditions and the manufacturer’s control.

Why Replace? – Just Encase!
GLOBAL Encasement, Inc.
World-Class Solutions for Better Building Environments

Updated: Jan 2019
1. PRODUCT NAME

The Original PrepLESS Primer™

2. MANUFACTURER

GLOBAL Encasement, Inc.
701 E. Santa Clara St.
Ventura, CA 93001 USA
Phone: (800) 266-3982
Fax: (800) 520-3291
www.encasement.com

3. PRODUCT DESCRIPTION

PrepLESS Primer™ is a clear water-based, non-toxic, flexible, zero VOC, super compliant architectural green coating primer-sealer-neutralizer that acts as a stabilizer for building surfaces that can be only marginally cleaned and where tenacious adhesion is needed. It applies milky white and dries clear, leaving a tacky finish ready to receive any of GLOBAL Encasement, Inc.’s topcoats, including LeadLock™, AsbestoSafe®, Your Last Coat™, RoofCoat™.

PrepLESS Primer™ Features:
- Class A Fire Rated
- Less Prep. Less Mess
- Zero Volatile Organic Content (VOC)
- Excellent for interior or exterior use
- Easy to use
- Waterproof
- Flexible
- Re-attaches loose, peeling, flaking paint

PrepLESS Primer™ can be applied over Lead-Based Paint (LBP), Asbestos Containing Materials (ACM), and surfaces that are difficult to adhere to, such as cracked and painted plaster, concrete, masonry, stucco, fiberglass, vermiculite, ceramic fiber. It is excellent for interior and exterior walls, ceilings, trim, wallboard, sheet rock, ducts, pipes, roofing, all non-friction surfaces, treated or untreated wood, stone and metal. It is also excellent for making surface repairs. To bridge large cracks or patch holes, use PrepLESS Primer™ with Globe Caulk™ or GEI Fabric reinforcement.

4. TECHNICAL DATA

Solids by volume: 48.4% (+/- 2%)
Weight per gallon: 8.67 lbs
VOC: Zero
Liquid appearance: Milky white
Drying time:
- To Touch: 1-4 Hours
- Recoat After Dry To Touch: 2-8 Hours
- Full Cure: 10-14 Days
Clean up: Warm, soapy water

PrepLESS Primer™ has an elongation of 4000% at 70°F; superior low temperature flexibility; 9,995 lbs/sf of adhesion strength; has passed ASTM E-84, E-162, ASTM E-119 testing over fireproofing insulation. This zero VOC product more than conforms to the minimum VOC requirements set forth by the SCAQMD (Southern California Air Quality Management District) and is considered a super compliant architectural zero VOC green coating.

5. PRODUCT INSTALLATION

- PrepLESS Primer™ is ready to use.
- PROTECT FROM FREEZING.
- Apply by brush or roller, or airless sprayer.
- All surfaces must be clean, dry, and free of mold, mildew, chalking, dirt, grease, oil, or other contaminants that would interfere with proper adhesion.
- Apply in temperatures between 50°F and 100°F.
- Cool temperatures and high humidity can affect dry and cure time.
- Follow manufacturer’s application guidelines.
- Easy to use and clean up is with water.

COVERAGE:
PrepLESS Primer™ may be brushed, rolled or spray applied. The coverage varies depending on porosity, mil thickness, and texture of the surface being encased. Calculated coverage rates on a flat surface are as follows:
- 6 mil DFT @ 120 sq. ft./gallon
- 7 mil DFT @ 102 sq. ft./gallon
- 8 mil DFT @ 90 sq. ft./gallon
- 9 mil DFT @ 80 sq. ft./gallon
- 10 mil DFT @ 72 sq. ft./gallon
- 11 mil DFT @ 65 sq. ft./gallon
- 12 mil DFT @ 60 sq. ft./gallon

Spray Application: Use self-cleaning reversible spray tip size .017-.025 (.019 is most often used). Brush: Use any nylon bristle brushes. Roller: Use a ¼ inch nap.

6. AVAILABILITY AND COST

Call GLOBAL Encasement, Inc. at 800-266-3982 for pricing and availability.

Available Package Sizes: 5 gallon pail, 55 gallon drum & 275 gallon tote.

7. WARRANTY

GLOBAL Encasement, Inc. can warrant for a period of up to twenty (20) years from the date of purchase that PrepLESS Primer™ is free of any defects in manufacturing. The Limited Warranty herein described shall be in lieu of any other warranty, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.

GLOBAL Encasement, Inc.’s sole liability under this Limited Warranty shall be, at its option, to replace any portion of the product proven to be defective in manufacture. Any defects discovered must be reported to GLOBAL Encasement, Inc. within the Limited Warranty period, and no later than 30 days after discovery.

This Limited Warranty does not extend to liability for any damages due to abuse by occupants, improper maintenance, water damage, or any other causes beyond anticipated conditions and the manufacturer’s control.

Why Replace? – Just Encase!

GLOBAL Encasement, Inc.
World-Class Solutions for Better Building Environments

Updated: Jan 2019
1. PRODUCT NAME

**MPE™ Multi-Purpose Encapsulant**

2. MANUFACTURER

GLOBAL Encasement, Inc.
701 E. Santa Clara St.
Ventura, CA 93001 USA
Phone: (800) 266-3982
Fax: (800) 520-3291
www.encasement.com

3. PRODUCT DESCRIPTION

**MPE™** is a clear acrylic, water-based, non-toxic, non-flammable, zero VOC, primer, sealer and conditioner for fibrous, porous, Asbestos-Containing Materials (ACM) and for surfaces that can be only marginally cleaned or are difficult to adhere to.

**MPE™** functions as a penetrating encapsulant and primer where tenacious adhesion is needed to safely lock down fibrous and asbestos containing surfaces. **MPE™** is designed and engineered to deeply penetrate asbestos-containing materials.

**MPE™** is excellent for use over:
- Fluffy or cementitious sprayed on fireproofing
- Decorative and acoustical plaster on ceilings and walls
- Insulation on pipes, boilers, tanks and ducts
- Transite siding and roofing
- Galbestos
- Mineral cap sheet
- Asphalt BUR, modified bitumen
- Concrete
- Fiberglass
- Floor tiles
- Textiles and other fibrous materials
- Floor adhesives and mastic

4. TECHNICAL DATA

- Solids by weight: 25.2% (+/- 2%)
- Solids by volume: 24% (+/- 2%)
- Weight per gallon: 8.55 lbs
- VOC: Zero
- Liquid appearance: Milky white
- Dried appearance: Clear
- Drying time: ½ to 24 hours (depends on dilution, air temperature and humidity)
- Clean up: Water

5. PRODUCT INSTALLATION

- **MPE™** is ready to use.
- PROTECT FROM FREEZING.
- Apply by brush or roller, or airless sprayer.
- All surfaces must be clean, dry, and free of mold, mildew, chalking, dirt, grease, oil, or other contaminants that would interfere with proper adhesion.
- Best applied in temperatures between 50°F and 100°F.
- Apply only when weather conditions will permit drying before rain, dew or freezing temperatures.
- Cool temperatures and high humidity retard cure.
- Follow manufacturer's application guidelines.
- Easy to use and clean up is with water.

**MPE™** should be applied and allowed to dry thoroughly before applying topcoats. In no case should topcoats be applied until **MPE™** is completely dry. Topcoat with GLOBAL Encasement, Inc. materials.

6. AVAILABILITY AND COST

Email us at service@encasement.com or call at 800-266-3982 for pricing and availability.

Available Package Sizes: 5 gallon pail, 55 gallon drum & 275 gallon tote.

7. WARRANTY

Unless GLOBAL Encasement, Inc. product provides a written warranty of fitness for a particular use, GLOBAL Encasement's sole warranty is that the product, as supplied, will meet the current sales specifications and is specific only to return of product found to be defective upon opening of container, within one year from date of purchase. Customer's exclusive remedy and GLOBAL Encasement, Inc.'s liability for breach of warranty is limited to refund of the purchase price or replacement of any product shown to be other than as warranted and GLOBAL Encasement, Inc. expressly disclaims any liability for incidental or consequential damages.

**Why Replace? – Just Encase!**

GLOBAL Encasement, Inc.
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Updated: Jan 2019
SAFETY DATA SHEET
Your Last Coat™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Your Last Coat™
Product Use: Encasement TopCoat
Product Description: Elastomeric Acrylic Industrial Coating, Water-Base
Manufacturer: GLOBAL Encasement, Inc.
701 E. Santa Clara St., Ventura, CA 93001
Contact #s: Tel. # (800) 266-3982 / Fax (800) 520-3291
Website Address: www.encasement.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Non-Hazardous
GHS Label: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material or Component</th>
<th>CAS Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Titanium dioxide (unbound only)</td>
<td>13463-67-7</td>
<td>3-7</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>15-40</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>2-4</td>
</tr>
</tbody>
</table>

*The hazards of the listed titanium dioxide, crystalline silica (Quartz) from limestone and ZnO are for their powder unbound form. In the bound form and when used for application as a roof coating for which the products are designed, these ingredients are not hazardous.

SECTION 4: FIRST-AID INFORMATION

Emergency First Aid Procedures and Description:

Eye Contact: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin Contact: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.

Inhalation: Nasal irritation, headache, dizziness, nausea, vomiting. Heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation. Get medical attention immediately.

Ingestion: If ingested, do not induce vomiting unless directed to do so by a medical personnel. Get medical attention.
SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide to extinguish fire.

Specific Hazards Arising from the Chemical: Dangerous when exposed to heat or flame. Will form flammable or explosive mixtures with air at room temperature. Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon and nitrogen. Vapor or gas may spread to distant ignition sources and flash back. Vapors or gas may accumulate in low areas. Runoff to sewer may cause fire or explosion hazard. Containers may explode in heat of fire. Containers may explode in heat of fire. Vapors may concentrate in confined areas. Liquid will float and may reignite on the surface of water.

Special Protective Action for Firefighters: Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and flush them away from sources of ignition. Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of Cleaning Up: Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing dust, vapor or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Use personal protective equipment in handling and observe personal hygiene after use of the product.

Conditions for Safe Storage: Storage Temperature: Minimum: 40ºF (4.44ºC) Maximum: 100ºF (37.77ºC) Storage Period: 12 months Keep container closed when not in use. Protect from freezing.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Regulation</th>
<th>Type of Listing</th>
<th>Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>JSOH OELs (05 2009) US ACGIH (2011)</td>
<td>TWA TWA TWA</td>
<td>1 mg/m³ (Respirable dust) 4 mg/m³ (Total dust) 10 mg/m³</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>ACGIH</td>
<td>TWA STEL</td>
<td>2 mg/m³ 10 mg/m³</td>
</tr>
</tbody>
</table>
Engineering Controls: Mechanical local exhaust ventilation at point of containment release.

Protective Measures: Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

Eye/Face Protection: Chemical splash goggles (ANSI Z-87.1 or approved equivalent).

Skin Protection: Impervious (Neoprene gloves).

Respiratory Protection: Wear suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Varies from white, beige, gray, green, brick-red</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight amine odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Available</td>
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<tr>
<td>pH</td>
<td>8.5-10.4</td>
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<tr>
<td>Melting Point/Freezing Point</td>
<td>0°C (32°F) similar to water</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>100°C (212°F) similar to water</td>
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<tr>
<td>Flash Point</td>
<td>Not applicable (water based product), however, solid material will support combustion if water has been evaporated</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Upper/Lower Flammability or Explosive Limits</td>
<td>Not Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>22.7 mm Hg at 20°C (68. °F) similar to water</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Available</td>
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<tr>
<td>Relative Density</td>
<td>11.0-12.0#/gal</td>
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<tr>
<td>Solubility(ies)</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not Available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>100-115 KU</td>
</tr>
</tbody>
</table>

Note: The above data are typical values and must not be construed as a specification.

### SECTION 10: STABILITY AND REACTIVITY INFORMATION
Reactivity: Non-reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions/Materials to Avoid: Keep from freezing/No known materials to avoid.

Incompatible Materials: None known.

Hazardous Decomposition: By Thermal decomposition: carbon monoxide, carbon dioxide, acrylic monomers, and other potentially toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

<table>
<thead>
<tr>
<th>Component</th>
<th>Acute Oral</th>
<th>Acute Dermal</th>
<th>Acute Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>LD50 rat &gt;5000 mg/kg</td>
<td>LD50: &gt;5000 mg/kg (Rabbit)</td>
<td>LC50/4h/rat (dust/mist): &gt;6.82 mg/l, 4h (Rat)</td>
</tr>
<tr>
<td>Limestone</td>
<td>LD50 rat &gt;6450 mg/kg</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>Not Available</td>
<td>Not Available</td>
<td>LC50 &gt;2500 mg/m³, (mouse)</td>
</tr>
<tr>
<td>Mixture</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Skin/Eye Irritation:

Titanium Dioxide: Rabbit, Exposure Time, 24h, Non-Irritating
Limestone & Zinc Oxide: Not available
Mixture: Not available

Mutagenicity:

Titanium Dioxide: Genetic Toxicity in Vitro: Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)
Genetic Toxicity in Vivo: Drosophila SLRL test: negative (Drosophila melanogaster) negative

Limestone & Zinc Oxide: Not available
Mixture: Not available

Carcinogenicity:

Titanium Dioxide (Ti-Pure, DuPont) Rat, Male/Female, inhalation-According to IARC, several rat inhalation and intratracheal installation studies using titanium dioxide have shown increases in benign and malignant lung tumors. Based upon all study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experience in the workplace. Reviewed human exposure data did not suggest an association between occupational exposure to titanium dioxide and cancer. Additionally, the IARC working group determined that, “No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other material, such as in paints.”

Quartz (in Limestone): ACGIH: A2-suspected human carcinogen
NIOSH: Potential occupational carcinogen
IARC : Monograph 68 (1997) (Listed under Crystalline Silica inhaled in the form of quartz or Cristobalite)
From occupational sources (Group 1-Carcinogenic to humans)

Limestone & Zinc Oxide Not available
Mixture Not available

Sensitization:
Titanium dioxide Dermal: non-sensitizer (Guinea pig, Maximization Test), non-sensitizer (Human, Patch Test)
Repeated Dose toxicity: 28 days, Inhalation: NOAEL: 35mg/m3, (Rat)
Quartz (in Limestone) Not available
Zinc Oxide Not available
Mixture Not available

Reproductive toxicity, STOT, Aspiration Hazard: Not available for components and mixture in the products listed.

Other Toxicological Information:
*Reviewed human exposure data did not suggest an association between occupational exposure to titanium dioxide and cancer. Additionally, the IARC working group determined that, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other material, such as in paints.”

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Titanium dioxide Aquatic Toxicity: 96 hrs. LC50: Fathead minnow >1,000mg/l; LC50: >1000 mg/l
(Golden Orfe (Leuciscus idus), 48 hours)
Acute Toxicity to Aquatic invertebrates: EC50 >3mg/l (Water Flea (Daphnia Magna)
Toxicity to Microorganisms: EC50 >10,000 mg/l, (Pseudomas fluorescens, 24 hrs.)
Limestone Acute and Prolonged toxicity to Fish: LC50: 56,000 mg/l (Mosquitofish (Gambusia affinis), 48 hours)

Persistence and Degradability, Bioaccumulative Potential, Mobility in Soil: Not available for components and mixtures in the products listed.

SECTION 13: DISPOSAL INFORMATION

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental laws.

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

SECTION 14: TRANSPORTATION INFORMATION

UN Number: Not applicable
UN proper Shipping Name: Not applicable
Transport Hazard Class: Not applicable
Packing Group: Not applicable
Environmental Hazards: Not hazardous
Land Transport (DOT): Non-Regulated
Sea Transport (IMDG): Non-Regulated
SECTION 15: REGULATORY INFORMATION

**United States TSCA Inventory (US.TSCA):** All components of this product are in compliance with the inventory listing requirement of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**CERCLA Information (40CFR302.4):** Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title Section 304.

**SARA TITLE III, Sections 302, 304, 311, 312:** This material does not contain any component listed in EPA’s List of List.

**Workplace Classification**

**OSHA:** This product is considered not hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200).

**WHMIS:** This product and its components are not listed as a ‘controlled product’ under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**Proposition 65:** This product contains a chemical known to cause cancer or reproductive toxicity.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Authoritative Body</th>
<th>Date Entered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (airborne, unbound particles of respirable size)</td>
<td>(none), several substances for single listing</td>
<td>Labor Code (LC)</td>
<td>September 2, 2011</td>
</tr>
<tr>
<td>Silica, crystalline (airborne particles of respirable size); 0.5% in Limestone</td>
<td>(none), several substances for single listing</td>
<td>State’s Qualified Expert (SQE)</td>
<td>October 1, 1988</td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

**Hazardous Material Information System (HMIS) Rating:**

- **HEALTH:** 1
- **FLAMMABILITY:** 0
- **PHYSICAL HAZARD:** 0
- **PERSONAL PROTECTION:** 0

Prepared By: GLOBAL Encasement, Inc.
Customer Service Department

Revision Date: Jul 02, 2021
Last Revision Date: Jan 10, 2019
Version #: 5
This SDS adheres to the standards and regulatory requirements of the United States and has been written under the guidance of the Globally Harmonized System of Classification and Labeling of Chemicals.

Key of Acronyms:

- ACGIH: American Conference of Governmental Industrial Hygienists
- DOT: Department of Transportation
- GHS: Globally Harmonized System (of Classification and Labeling of Chemicals)
- ICAO: International Civil Aviation Organization
- IARC: International Agency for Research on Cancer
- IATA: International Air Transportation Association
- IMDG: International Maritime Dangerous Goods
- LC50: Lethal Concentration STEL Short Term Exposure Limit
- LD50: Median Lethal Dose or Lethal Dose, 50 %
- NFPA: National Fire Protection Association
- NIOSH: National Institute for Occupational Safety
- NOAEL: No-Observed-Adverse-Effect-Level
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible Exposure Limit
- SARA: Superfund Amendments and Reauthorization Act
- TLV: Threshold Limit Value
- TRI: Toxic Release Inventory
- TWA: Time Weighted Average

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The information relates only to the specific material designated and may not be valid for such material used in combination with or any other material in any process, unless specified in the test.

End of Safety Data Sheet
SAFETY DATA SHEET
PrepLESS Primer™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: PrepLESS Primer™
Product Use: Primer-Sealer-Neutralizer
Product Description: 100% Acrylic Copolymer, Water-Base
Manufacturer: GLOBAL Encasement, Inc.
701 E. Santa Clara St., Ventura, CA 93001
Contact #: Tel. # (800) 266-3982 / Fax (800) 520-3291
Website Address: www.encasement.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Non-Hazardous
GHS Label: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material or Component</th>
<th>CAS Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>20-50</td>
</tr>
<tr>
<td>Acrylic Polymers</td>
<td>Not Hazardous</td>
<td>30-60</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST-AID INFORMATION

Emergency First Aid Procedures and Description:

Eye Contact: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin Contact: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.

Inhalation: Nasal irritation, headache, dizziness, nausea, vomiting. Heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth to mouth resuscitation. Get medical attention immediately.

Ingestion: If ingested, do not induce vomiting unless directed to do so by a medical personnel. Get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide to extinguish fire.
Specific Hazards Arising from the Chemical: Dangerous when exposed to heat or flame. Will form flammable or explosive mixtures with air at room temperature. Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon and nitrogen. Vapor or gas may spread to distant ignition sources and flash back. Vapors or gas may accumulate in low areas. Runoff to sewer may cause fire or explosion hazard. Containers may explode in heat of fire. Containers may explode in heat of fire. Vapors may concentrate in confined areas. Liquid will float and may reignite on the surface of water.

Special Protective Action for Firefighters: Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and flush them away from sources of ignition. Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of Cleaning Up: Contain spills immediately with inert materials (e.g. sand, earth).
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing dust, vapor or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Use personal protective equipment in handling and observe personal hygiene after use of the product.

Conditions for Safe Storage: Storage Temperature: Minimum: 34°F (1.11°C)
Maximum: 120°F (49°C)
Storage Period: 12 months
Keep container closed when not in use. Protect from freezing.
STIR WELL BEFORE USING

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Engineering Controls: Mechanical local exhaust ventilation at point of containment release.

Protective Measures: Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product.
EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

Eye/Face Protection: Chemical splash goggles (ANSI Z-87.1 or approved equivalent).

Skin Protection: Impervious (Neoprene gloves).
Respiratory Protection: Wear suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Milky white</td>
</tr>
<tr>
<td>Odor</td>
<td>Faint odour</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH</td>
<td>8.0-9.0</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>0°C (32°F) similar to water</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>100°C (212°F) similar to water</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable (water based product), however, solid material will support combustion if water has been evaporated.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Upper/Lower Flammability or Explosive Limits</td>
<td>Not Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>22.7 mm Hg at 20°C (68. ⁰F) similar to water</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.99-1.03 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3000-7500 mPa.s</td>
</tr>
</tbody>
</table>

Note: The above data are typical values and must not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Reactivity: Non-reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions/Materials to Avoid: Keep from freezing/No known materials to avoid.

Incompatible Materials: None known.

Hazardous Decomposition: By Thermal decomposition: carbon monoxide, carbon dioxide, acrylic monomers, and other potentially toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

Virtually non-toxic after a single ingestion, single skin contact or by inhalation. Ingestion may cause gastrointestinal disturbances. This product has not been tested. Statement has been derived from substances/products of similar structure or composition.

Oral toxicity: LD50 rat >2000-10000 mg/kg
Dermal toxicity: ATE >5000 mg/kg
Inhalation: ATE >5 mg/l; 4 hrs. – determined for mist
Skin Irritation: Non-irritant
Eye irritation: Non-irritant

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to Fish: LC50 (96hrs) >100 mg/l, Brachydanio rerio (OECD Guideline203, static)
Aquatic Invertebrates: EC50 (48hrs) >100 mg/l Daphnia magna (OECD Guideline202, Part 1, static)
Aquatic Plants: EC50 (72 hrs) >100 mg/l Scenedesmus subspicatus (OECD Guideline201)

SECTION 13: DISPOSAL INFORMATION

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental laws.

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

SECTION 14: TRANSPORTATION INFORMATION

UN Number: Not applicable
UN proper Shipping Name: Not applicable
Transport Hazard Class: Not applicable
Packing Group: Not applicable
Environmental Hazards: Not hazardous
Land Transport (DOT): Non-Regulated
Sea Transport (IMDG): Non-Regulated
Air Transport (ICAO/IATA): Non-Regulated
Special Precautions: No data available

SECTION 15: REGULATORY INFORMATION

United States TSCA Inventory (US.TSCA): All components of this product are in compliance with the inventory listing requirement of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CERCLA Information (40CFR302.4): Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title Section 304.

SARA TITLE III, Sections 311/312: Not a Health Hazard

SARA TITLE III, Sections 313: This product does not contain a chemical which is listed in Section 313 at or above the de minimis concentrations.

Workplace Classification

OSHA: This product is considered not hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200).

WHMIS: A component of this product is not a ‘controlled product’ under the Canadian Workplace Hazardous Materials Information System (WHMIS).
Proposition 65: This product does not contain a chemical known to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

Hazardous Material Information System (HMIS) Rating:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>0</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>0</td>
</tr>
</tbody>
</table>

Prepared By: GLOBAL Encasement, Inc.
Customer Service Department

Revision Date: Jul 02, 2021
Last Revision Date: Jan 10, 2019
Version #: 5

This SDS adheres to the standards and regulatory requirements of the United States and has been written under the guidance of the Globally Harmonized System of Classification and Labeling of Chemicals.

Key of Acronyms:

- DOT: Department of Transportation
- GHS: Globally Harmonized System (of Classification and Labeling of Chemicals)
- ICAO: International Civil Aviation Organization
- IATA: International Air Transportation Association
- IMDG: International Maritime Dangerous Goods
- LC50: Lethal Concentration STEL Short Term Exposure Limit
- LD50: Median Lethal Dose or Lethal Dose, 50 %
- NFPA: National Fire Protection Association
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety and Health Administration
- SARA: Superfund Amendments and Reauthorization Act
- TRI: Toxic Release Inventory

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The information relates only to the specific material designated and may not be valid for such material used in combination with or any other material in any process, unless specified in the test.

End of Safety Data Sheet
SAFETY DATA SHEET
MPE™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: MPE™
Product Use: Multi-Purpose Encapsulant
Product Description: 100% Acrylic Polymer, Water-Base
Manufacturer: GLOBAL Encasement, Inc.
701 E. Santa Clara St., Ventura, CA 93001
Contact #: Tel. # (800) 266-3982 / Fax (800) 520-3291
Website Address: www.encasement.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Non-Hazardous
GHS Label: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material or Component</th>
<th>CAS Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>20-50</td>
</tr>
<tr>
<td>Acrylic Polymers</td>
<td>Not Hazardous</td>
<td>30-60</td>
</tr>
<tr>
<td>Aqua Ammonia</td>
<td>1336-21-9</td>
<td>&lt;=0.1</td>
</tr>
<tr>
<td>Diphenyl Ketone</td>
<td>119-61-9</td>
<td>&lt;=0.2</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST-AID INFORMATION

Emergency First Aid Procedures and Description:

Eye Contact: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin Contact: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.

Inhalation: Nasal irritation, headache, dizziness, nausea, vomiting. Heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation. Get medical attention immediately.

Ingestion: If ingested, do not induce vomiting unless directed to do so by a medical personnel. Get medical attention.
SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide to extinguish fire.

Specific Hazards Arising from the Chemical: Dangerous when exposed to heat or flame. Will form flammable or explosive mixtures with air at room temperature. Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon and nitrogen. Vapor or gas may spread to distant ignition sources and flash back. Vapors or gas may accumulate in low areas. Runoff to sewer may cause fire or explosion hazard. Containers may explode in heat of fire. Containers may explode in heat of fire. Vapors may concentrate in confined areas. Liquid will float and may reignite on the surface of water.

Special Protective Action for Firefighters: Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and flush them away from sources of ignition. Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of Cleaning Up: Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing dust, vapor or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Use personal protective equipment in handling and observe personal hygiene after use of the product.

Conditions for Safe Storage: Storage Temperature: Minimum: 34°F (1.11°C) Maximum: 120°F (49°C)

Storage Period: 12 months

Keep container closed when not in use. Protect from freezing.

STIR WELL BEFORE USING

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Regulation</th>
<th>Type of Listing</th>
<th>Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aqua Ammonia</td>
<td>1336-21-6</td>
<td>Dow</td>
<td>TWA</td>
<td>10 ppm, as ammonia</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>STEL</td>
<td>35 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P1</td>
<td>TWA</td>
<td>35 mg/m³ 50 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA P0</td>
<td>STEL</td>
<td>27 mg/m³ 35 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL</td>
<td>TWA</td>
<td>18 mg/m³ 25 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL</td>
<td>STEL</td>
<td>27 mg/m³ 35 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dow</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>
Engineering Controls: Mechanical local exhaust ventilation at point of containment release.

Protective Measures: Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

Eye/Face Protection: Chemical splash goggles (ANSI Z-87.1 or approved equivalent).

Skin Protection: Impervious (Neoprene gloves).

Respiratory Protection: Wear suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Milky white</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight amine odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH</td>
<td>9.2-9.8</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>0°C (32°F) similar to water</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>100°C (212°F) similar to water</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable (water based product), however, solid material will support combustion if water has been evaporated.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Upper/Lower Flammability or Explosive Limits</td>
<td>Not Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>22.7 mm Hg at 20°C (68. ⁰F) similar to water</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>8.5-10#/gal (1.0-1.2 g/ml)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not Available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>50-300 cps</td>
</tr>
</tbody>
</table>

Note: The above data are typical values and must not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Reactivity: Non-reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions/Materials to Avoid: Keep from freezing/No known materials to avoid.

Incompatible Materials: None known.
Hazardous Decomposition: By Thermal decomposition: carbon monoxide, carbon dioxide, acrylic monomers, and other potentially toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:
No data is available for this material. The information shown is based on profile of compositionally similar materials.

Oral Toxicity: LD50 rat >5000 mg/kg
Dermal Toxicity: LD50 rabbit >5000 mg/kg
Skin Irritation: rabbit may cause transient irritation.
Eye Irritation: rabbit No eye irritation

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aqua Ammonia</td>
<td>Acute Inhalation: LC50 male rat 1 hour 9.850 mg/l</td>
</tr>
<tr>
<td>Diphenyl Ketone</td>
<td>Acute Inhalation: LC50 has not been determined.</td>
</tr>
<tr>
<td></td>
<td>Sensitization: Guinea pig - did not cause sensitization on laboratory animals; did not cause allergic skin reactions when tested in guinea pigs.</td>
</tr>
<tr>
<td></td>
<td>Subchronic toxicity: In animals, effects have been reported on following organs: blood, liver, kidney and bone marrow.</td>
</tr>
<tr>
<td></td>
<td>Carcinogenicity: Has caused cancer in laboratory animals.</td>
</tr>
<tr>
<td></td>
<td>Reproductive toxicity: In animals study, did not interfere with reproduction and fertility.</td>
</tr>
<tr>
<td></td>
<td>Teratogenicity: Has been toxic to the fetus in laboratory animals at doses toxic to its mother. Did not cause birth defects in laboratory animals.</td>
</tr>
<tr>
<td></td>
<td>Mutagenicity: Did not show mutagenic effects in vivo tests.</td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Diphenyl Ketone:

Biodegradability: Aerobi 100 mg/ml OECD Test Guideline 301 C or Equivalent-Not readily degradable; m0%- Not readily biodegraded; 10-day Window: Fail
Bioaccumulation: Cyprinus Carpio (Carp) Calculated Bioconcentration Factor (BCF): 3.4-9.2

Ecotoxicity Effects:
Toxicity to Fish: LC50 Fathead minnow (Pimephales promelas) 96 Hour Method
Not specified 14.7 mg/l
Toxicity to Algae: EC50 Pseudokirchneriella subcapitata (green algae) 72 Hour Method
Not specified 3.5 mg/l
Toxicity to aquatic invertebrates: EC50 Ceriodaphnia dubia (water flea) 48 Hour Method
Not specified 7.6 mg/l

SECTION 13: DISPOSAL INFORMATION

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
**Waste Disposal Method:** Waste disposal should be in accordance with existing federal, state and local environmental laws.

**Empty Container Precautions:** Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

### SECTION 14: TRANSPORTATION INFORMATION

- **UN Number:** Not applicable
- **UN proper Shipping Name:** Not applicable
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not hazardous
- **Land Transport (DOT):** Non-Regulated
- **Sea Transport (IMDG):** Non-Regulated
- **Air Transport (ICAO/IATA):** Non-Regulated
- **Special Precautions:** No data available

### SECTION 15: REGULATORY INFORMATION

**United States TSCA Inventory (US.TSCA):** All components of this product are in compliance with the inventory listing requirement of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**CERCLA Information (40CFR302.4):** Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title Section 304.

**SARA TITLE III, Sections 311/312:** Chronic Health Hazard

**SARA TITLE III, Sections 313:** This product does not contain a chemical which is listed in Section 313 at or above the de minimis concentrations.

**Workplace Classification**

- **OSHA:** This product is considered not hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200).
- **WHMIS:** A component of this product is listed as a ‘controlled product’ under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**Proposition 65:** This product does not contain a chemical known to cause cancer or reproductive toxicity.

### SECTION 16: OTHER INFORMATION

**Hazardous Material Information System (HMIS) Rating:**

- **HEALTH:** 1
- **FLAMMABILITY:** 0
- **PHYSICAL HAZARD:** 0
- **PERSONAL PROTECTION:** 0
This SDS adheres to the standards and regulatory requirements of the United States and has been written under the guidance of the Globally Harmonized System of Classification and Labeling of Chemicals.

Key of Acronyms:

ACGIH  American Conference of Governmental Industrial Hygienists  
DOT    Department of Transportation  
GHS    Globally Harmonized System (of Classification and Labeling of Chemicals)  
ICAO   International Civil Aviation Organization  
IATA   International Air Transportation Association  
IMDG   International Maritime Dangerous Goods  
LC50   Lethal Concentration STEL Short Term Exposure Limit  
LD50   Median Lethal Dose or Lethal Dose, 50 %  
NFPA   National Fire Protection Association  
NIOSH  National Institute for Occupational Safety  
OSHA   Occupational Safety and Health Administration  
SARA   Superfund Amendments and Reauthorization Act  
TRI    Toxic Release Inventory

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The information relates only to the specific material designated and may not be valid for such material used in combination with or any other material in any process, unless specified in the test.

End of Safety Data Sheet
I. GENERAL

1.01 SUMMARY
  A. Provide labor, materials, equipment and supervision necessary to install spray, brush or roller-applied specialty Elastomeric acrylic Your Last Coat™ system as outlined in this specification.
  B. GLOBAL Encasement, Inc.'s application instructions for each product used are considered part of these specifications and should be followed at all times.

1.02 SUBMITTALS
  A. Submit laboratory reports and literature verifying compliance with fire ratings, physical properties or approvals earned by specified materials.
  B. Submit material safety data sheets on all materials.

1.03 QUALITY ASSURANCE
  A. Supplier Qualifications: GLOBAL Encasement, Inc. products, as supplied by GLOBAL Encasement, Inc., shall be approved for use on the project.
  B. The product manufacturer shall have been in business for a minimum of twenty one (21) years.
  C. Applicator Qualifications: GLOBAL Encasement, Inc. can approve the application contractor. GLOBAL Encasement, Inc.'s written verification of applicator approval shall be required.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING
  A. Containers and packaging: Deliver materials in original sealed containers, clearly marked with GLOBAL Encasement, Inc.'s logo, brand name, product lot numbers and type of material.
  B. Storage: Store materials between 40ºF and 100ºF with careful handling to prevent damage to products. Do not store for long periods in direct sunlight, at excessive temperatures or at temperatures below freezing.
  C. Protection: Protect all materials from damage during transit, handling, storage, and installation.
  D. Verify dates of manufacture and confirm that material is within current shelf life.

1.05 PROJECT CONDITIONS
  A. Environmental Requirements Conditions
    1. These minimum recommendations for material coverages are for ideal conditions. The number of gallons to coat 100 square feet may need to be increased due to uneven application, rough surface texture, heat and wind conditions while spraying or applying and other variables.
    2. Do not apply materials unless surface to receive encasement system is dry and surface compatibility testing has been successfully completed.
    3. Install all material in strict accordance with all published safety or applicable regulations of local, state, and/or federal agencies that have jurisdiction.
4. The entire system shall be fully adhered to the surface on which it is applied.
5. Do not proceed with application of coating or sealing materials when surface temperature is less than 50ºF. No coating system shall be applied if weather will not permit it to dry prior to exposure to precipitation or freezing.
6. Instructions for use of all GLOBAL Encasement, Inc. materials and application equipment should be read and followed at all times.

II. PRODUCTS

2.01 GLOBAL Encasement, Inc. Systems

A. The Your Last Coat™ system is an acrylic, elastomeric, spray, brush or roller-applied GLOBAL Encasement, Inc. system manufactured by GLOBAL Encasement, Inc. (GEI).

1. All Your Last Coat™ materials shall be warranted to be heavy-bodied (66.0% solids content), from GLOBAL Encasement, Inc. and shall be long lasting, highly-pure (zero VOC) materials that remain flexible, chalk resistant and resist cracking, peeling, algae and fungus that can cause future indoor air quality concerns.
2. To allow for building movement without cracking or disturbing fibrous materials, coating systems shall have passed testing to ASTM standards for adhesion, permeability, aged flexibility and with aged elasticity for the encasement system of over 250%.
3. Coatings shall be Class A Fire Rated, water-based, non-toxic, safe and easy to use, contain no hazardous ingredients by OSHA definition, comply with all known building codes and be non-flammable.
4. Coatings shall have independent third-party accredited toxicological report stating: “There is no toxicological basis for limiting occupancy of a dwelling unit, or restricting entry of any resident including pregnant women and children under six years of age, to dwelling units during the application of your encapsulant.”
5. Coating materials shall have zero VOC (Volatile Organic Compound) content.
6. Coating materials shall not release health threatening toxic smoke and fumes in a fire and shall comply with all known building codes.

B. Coating Material shall have passed the following testing standards:

1. ASTM E-119 fire tests - demonstrating that applying a multi-layer GLOBAL Encasement, Inc. system over fireproofing does not adversely affect the fireproofing (3 hour test).
2. UPITT Combustion Toxicity Test proving nothing toxic is released in a fire.
3. ASTM E-84 and E-162 fire tests for "Class A" – Surface Flammability and Burning Characteristics (Flame Spread = 0, Smoke Developed = 5). This is equal to NFPA 255, UL No. 723, ANSI 2.5 and U.B.C. 42-1.
4. Underwriters Laboratories® 790 Class "A" Ratings TGFU #R15397
5. "Pull-off Adhesion" Test E-736 at 9,950 lbs. per square foot (69.1 lbs. per square inch).
6. ASTM D-1653 and E-96 "Water Vapor Permeability" (showing the rate that water vapor can pass through the system).
7. Impact Resistance, "Tensile Strength" exceeds 150 psi; "Elongation" exceeds 250%.
8. System is Mildew Resistant, Impact Resistant, Scrub Resistant, Non-Yellowing, Non-Caulking, highly Blister Resistant, Rust Resistant, highly Chemical Resistant and remains flexible after 1000 hour ASTM Accelerated Weather testing.
9. Water-Based materials (zero VOC) Volatile Organic Content of PrepLESS Primer™ = 0 g/L and Your Last Coat™ = 4 g/L.

10. Encasement systems shall comply with standards established by WR Grace for use over fireproofing materials.

11. Materials comply with applicable standards for installation on interior and/or exterior surfaces of a building.

12. Fully comply with the U.B.C. codes for installing encasement systems in elevator shafts and large air plenums or ducts.

13. Encasement systems provide additional waterproofing protection.

14. Materials are suitable for use over Transite siding.

2.02 RELATED MATERIALS

Elastomeric architectural sealants, caulking compounds, primers, and similar materials. All materials used shall be applied in accordance with GLOBAL Encasement, Inc.’s recommendations.

2.03 EQUIPMENT RECOMMENDATIONS

GLOBAL Encasement, Inc. materials are prescreened at the factory and can be applied with nylon bristle brushes, roller, or airless equipment. Roller nap size will depend on the substrate being encased; ½ inch nap to 1⅛ inch is recommended. Airless piston-type spray equipment may also be used for application. Equipment selection will depend on the size and nature of the encasement project.

Recommended airless piston-type spray equipment should have at a minimum 3000-psi, 3:1 ratio and a ¾-gallon capacity.

A. Graco – information line is (800) 690-2894.

B. Titan Tool Inc. – information line is (800) 526-5362.

C. Equipment Accessories: Hose: 3/8 inch (9.53 mm) inside diameter (minimum), 1/2 inch (minimum) on long runs.

Guns: Graco Silver or Golden Hydra-mastic guns.

Spray Tips: Your Last Coat™

Use self-cleaning reversible spray tip size 0.019 to 0.035 (.021 is most often used.)

Note: For alternative equipment recommendations consult the spray equipment manufacturer directly.

III. EXECUTION

3.01 MANUFACTURER’S INSTRUCTIONS

Compliance with GLOBAL Encasement, Inc.’s product data, including product technical bulletins and product quide specification instructions.

3.02 PREPARATION

All surfaces to be encased should be free of visible water.

3.03 APPLICATION

A. To start the encasement application process, spray a mist coat of MPE™ (4 DFT, or approximately 16 wet mils thick).

B. Lock down debris and dust on the surfaces being encased by spraying a mist coat of PrepLESS Primer™ (12 DFT or approximately 25 wet mils thick). While spraying mist, coat over and seal all surfaces. This will lock in-place the component being encased.
If there is an excessive amount of loose dirt and debris to be encased, allow this lock-
down coat to thoroughly dry, then continue with the balance of the application of
PrepLESS Primer™ as described below.

C. Apply PrepLESS Primer™ until wet coating thickness is great enough to yield 6 to 12
dry mils or 12 to 24 wet mils thickness uniform membrane. The PrepLESS Primer™
material seals, penetrates and stabilizes. Apply the balance of the PrepLESS
Primer™ material in two passes with the second pass perpendicular (at 90°) to the first
pass.

Use wet mil gauge to monitor application thickness on a flat surface.

D. Allow PrepLESS Primer™ to dry to touch in 2 to 24 hours before applying any topcoat
materials. When applied, the liquid PrepLESS Primer™ material can penetrate and be
absorbed into the substrate being encased. The PrepLESS Primer™ then shrink-
wraps as it dries.

Note: PrepLESS Primer™ goes on milky white and dries clear, forming a flexible
membrane that remains tacky when dry.

E. PrepLESS Primer™ coverage rate per gallon varies depending upon porosity, texture,
condition of the surface, configuration of the surfaces being encased, tip size and
spray pressure and the final mil thickness specified. Rough, highly textured insulation
surfaces often have a developed area that is 1½ to 3 times the flat-surface area.

Some typical coverage rates for PrepLESS Primer™ on various building surfaces are
listed below:

1. Applied over a smooth, flat surface at 100 SF per gallon (16 wet mils) = 7 to 8
dry mils thickness.
2. Flat surfaces - 90 to 110 SF per gallon (14-16 wet mils = 7-8 dry mils)
3. Porous, textured surfaces - 70 to 100 SF per gallon (16-20 wet mils = 7-8 dry
mils)
4. Rough, cementitious surfaces - 40 to 70 SF per gallon (20-30 wet mils = 7-8
dry mils)
5. Rough surfaces - 30 to 50 SF per gallon (25-35 wet mils =7-8 dry mils)
6. Oversprayed – 90 to 110 SF per gallon (14-16 wet mils = 7-8 dry mils)
7. Over stucco - 150 to 200 SF per gallon (6 to 8 wet mils = 3 to 4 dry mils)
8. Impact or wear areas, thicker applications up to 40 dry mils can be applied to
seal, stabilize and protect the surface.

F. Next spray apply Your Last Coat™ until wet coating thickness is great enough to yield
the desired dry mil thickness. Apply topcoat in two passes; with the second pass
perpendicular (at 90°) to the first pass. Allow Your Last Coat™ to dry to touch in 2-6
hours before applying additional materials. Because the PrepLESS Primer™ has
already stabilized the surface, the use of gentle brushing or back rolling after spraying
Your Last Coat™ can help to fill visible voids and holidays while conserving the use of
materials.

A finished encasement system shall be seamless and form a continuous, flexible
jacket around the surface to be encased (no voids or holidays in finished
coating surface).

G. Your Last Coat™ coverage rate per gallon varies depending upon porosity, texture,
condition of the surface and the mil thickness. Rough, highly textured surfaces
require more material than flat or smooth non-porous surfaces.

Calculated coverage rates for Your Last Coat™ on a flat, smooth non-porous surface
at 100 SF per gallon applied @ 16 wet mils = 9 to 10 dry mils per coat. Some typical
coverage rates for Your Last Coat™ on various surfaces are listed below:
1. Over flat surfaces – 90-100 SF per gallon (14-16 wet mils = 9-10 dry mils)
2. Porous or textured surfaces – 70-90 SF per gallon (17-21 wet mils = 9-10 dry mils)
3. Rough, cementitious surface – 30-70 SF per gallon (21-30 wet mils = 9-10 dry mils)
4. Rough surfaces – 30-50 SF per gallon (25-35 wet mils = 9-10 dry mils)
5. Oversprayed – 90-110 SF per gallon (14-16 wet mils = 9-10 dry mils)
7. Some surfaces require two applications of Your Last Coat™ at 9-10 dry mils (16 wet) per coat.
8. Total protection of 16-20 dry mil thickness of topcoat is required for 20-Year Limited Warranty.

H. The circulation of air helps water-based materials to dry more rapidly.

3.04 FIELD QUALITY REQUIREMENTS

A. Manufacturer’s Field Services: Inspection by a GLOBAL Encasement, Inc. Authorized Sales Representative can be made to verify the proper installation of the system. Any areas that do not meet the minimum standards for application as specified herein shall be corrected. On a case-by-case basis, payment of expenses incurred by the GLOBAL Encasement, Inc. Representative may be the responsibility of the building owner and/or contractor.

B. GLOBAL Encasement, Inc.’s inspection or verification shall not constitute acceptance of responsibility for any improper application of material.

C. Disclaimer: GLOBAL Encasement, Inc.’s employees and/or Authorized Sales Representatives are not responsible for any liabilities resulting from the application or use of these materials.

3.05 CLEANING

Use soapy water while coatings are still wet and wipe clean. Surfaces not intended to receive GLOBAL Encasement, Inc. system shall be protected during the application process.

IV. MATERIALS

The following materials listed in these recommendations are available from:

GLOBAL Encasement, Inc.
701 E. Santa Clara St.
Ventura, CA 93001-5972 USA
(800) 266-3982 / Fax (800) 520-3291
Website: www.encasement.com

1. Your Last Coat™ TopCoat
2. PrepLESS Primer™
3. MPE™ Multi-Purpose Encapsulant

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. The prospective user should determine the suitability of our materials and installation recommendations before adopting them for commercial use.
Since 1994, GLOBAL Encasement, Inc.’s innovative solutions to problems in buildings and materials management have saved our customers millions of dollars in abatement, repair and reapplication costs.

Founded on over four decades of applied field experience with common building materials, we know what works, what doesn’t work and why.

We offer free consultation and custom system designs. To learn more how you can benefit from our experience call us at 1-800-266-3982 or email us at service@encasement.com.