



GLOBAL Encasement, Inc.

Product Performance

“OR EQUAL SPECIFICATIONS”

Your Last Coat™, RoofCoat™, AsbestoSafe®, LeadLock™, PrepLESS Primer™

Fire Tests: GLOBAL Encasement, Inc. GREEN products are **Class A Fire Rated** and have been tested in accordance with **ASTM test method E-119** (3 hour test) and demonstrated that GLOBAL Encasement, Inc. materials do not adversely affect the fireproof rating of the fireproofing substrate. These tests were performed on **PrepLESS Primer™** alone (10 mils), on **Your Last Coat™/RoofCoat™/AsbestoSafe®/LeadLock™** alone (28 mils), and on a 24-mil composite system.

This material has passed **ASTM E-108 Standard Test Method for Fire Tests of Roof Coverings (comparable to U.B.C. St'd 32-7)** and meets the requirements for **Class A**.

An investigation of the external fire resistance characteristics of our water based acrylic top coat (**Your Last Coat™/RoofCoat™/AsbestoSafe®/LeadLock™**) 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."

This material has also passed **European Standards Testing EN 13823** Reaction to fire tests for building products and **EN ISO 11925-2** Reaction of fire tests – Ignitability of building products subjected to direct impingement of flame.

Surface Burning Characteristics: GLOBAL Encasement, Inc.'s GREEN products have been tested in accordance with ASTM methods E-84 and E-162. **PrepLESS Primer™** has been tested alone and with **Your Last Coat™/RoofCoat™/AsbestoSafe®/LeadLock™** as a system. Both test results meet the performance criteria of zero flame spread index and a smoke development rating of less than 6, making the GLOBAL Encasement, Inc. products Class A material.

Underwriter's Laboratory: GLOBAL Encasement, Inc.'s GREEN products are Underwriters Laboratories® 790 Class "A" Rated, listing #R15397, including GEI Topcoat, **Your Last Coat™, RoofCoat™, AsbestoSafe®, LeadLock™**.

VOC (Volatile Organic Content): GLOBAL Encasement, Inc.'s green products have been tested in accordance with **EPA Method 24** and have a VOC of less than 0.001 pounds per gallon (less than 0.1 grams per liter), and are non-toxic. These tests were performed on **PrepLESS Primer™** alone, and **Your Last Coat™/RoofCoat™/AsbestoSafe®/LeadLock™** alone.

ASTM D6083 – Standard Specification for Liquid Applied Acrylic Coating Used in Roofing. GLOBAL Encasement, Inc.'s green products (**Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™**) have been tested in accordance with ASTM D6083.

ASTM E-1795 – Standard Specification for Non-Reinforced Liquid Coating Encapsulation Products for Leaded Paint in Buildings, Type III: Either Exterior or Interior Use: All products (**Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™**) were tested and conform to all of the requirements of ASTM E-1795.

Adhesion: GLOBAL Encasement, Inc.'s green products have been tested in accordance with ASTM test method E-736. A system of 8 mils (dry) **PrepLESS Primer™**, plus 10 mils (dry) of **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™** had an adhesion in excess of 9,950 lbs. per sq. ft. (69 lbs per sq. in.).

Impact Resistance: GLOBAL Encasement, Inc.'s green products have been tested in accordance with ASTM test method D-2794, and meet the performance criteria of no surface cracking of the materials at 150 pound inches. This test was measured on a system of 7 mils (dry) of **PrepLESS Primer™** and 10 mils (dry) of **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™**.

Flexibility: GLOBAL Encasement, Inc.'s green products have been tested in accordance with ASTM test method D-522,A. No cracking of the materials was observed when tested on a 1/8" conical mandrel. This corresponds to greater than 59% elongation for the 17 mil system that was tested.

Strength: GLOBAL Encasement, Inc.'s green products have been tested in accordance with ASTM test method D-412. The **PrepLESS Primer™** material alone has an elongation of 4000%. The **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™** material alone has an elongation of 329% and a tensile strength of 200 psi. Scrim reinforcement can be used to develop tensile strengths above 450 psi. Scrim reinforcements are applied after the primer coat has safely sealed the hazardous materials in place. Multi-layered GLOBAL Encasement, Inc. systems are a cost-effective method to add reinforcement strength to areas where high impact and extreme abuse is a concern, or when repairing damaged or delaminating asbestos.

Weatherability: GLOBAL Encasement, Inc.'s green products have been tested in accordance with ASTM test method C-732 (1000 hour test) while not Yellowing, as tested by ASTM E313, nor Chalking, by ASTM D4214, and passed Blister Resistance, by ASTM D-714, and Rust Resistance, by ASTM D-610. All tests were performed on a 17 mil GLOBAL Encasement, Inc. system.

Moisture Vapor Transmission: A 14 mil DFT GLOBAL Encasement, Inc. system (7 mils of **PrepLESS Primer™** and 7 mils DFT of **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™**) was tested by ASTM test method D1653, PERM=0.138, and E96, PERM=0.086.

14 mils DFT of **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™** was tested by ASTM test method D1653, PERM=1.04.

14 mils DFT of **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™** TopCoat was tested by ASTM test method D1653, PERM=1.0.

7 mils DFT of **Your Last Coat™**, **RoofCoat™**, **AsbestoSafe®**, **LeadLock™** TopCoat was tested by ASTM test method D1653, PERM=1.4;

These values show that GLOBAL Encasement Inc.'s green coatings systems form a breathing enclosure that allows water vapor to pass through the protective coating after encasement.

Mold and Mildew Resistance: GLOBAL Encasement, Inc.'s green products exhibit 0 fungal growth when tested in accordance with **ASTM D3273/74** (Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, and for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation).

The standard 4 week test period was extended for an additional 62 weeks, with the coatings continuing to exhibit 0 fungal growth.

The products also exhibited 0 fungal growth when tested in accordance with **ASTM G 21** "Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi."

Lead Access Test: A 17 mil GLOBAL Encasement, Inc. system passed a lead access test, conducted as per **H.E.L.P., Inc. Technical Document 100-93**, modified to use a metal panel coated with 14% lead-based paint, encased with the 17 mil system, then weather tested for 1000 hours.

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.*

Warranty: GLOBAL Encasement, Inc. can warrant for a period of up to **twenty (20) years** from the date of purchase, that their abatement coating materials are free of any defects in manufacturing. Any defects discovered must be reported to GLOBAL Encasement, Inc. within the warranty period, and no later than 30 days following such discovery.

Safe to Use: GLOBAL Encasement, Inc.'s green products are environmentally advanced, water based, 100% acrylic, non-toxic protective coating materials that contain no solvents or hazardous chemicals.

Our non-toxic and non-mercuric green products are so clean that the Accredited DL Labs Toxicological Report states, "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 coatings." Materials are non-flammable and non-hazardous. Cleanup is with soapy water. Immediately wipe surfaces not to be coated to prevent drying. No solvents are required for cleanup.

Why Replace? – Just Encase!



GLOBAL Encasement, Inc.

World-Class Solutions for Better Building Environments



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