



ENDURO-LASTIC ELA Modified Polymer Binder

1. Description:

EP - ENDURO-LASTIC ELA is a one component modified polymer binder designed for use with a fiberglass chopped-strand mat on interior and exterior pedestrian surfaces.

2. Uses:

EP - ENDURO-LASTIC ELA Modified Polymer Binder is applied to reinforce a fiberglass chopped-strand mat on new or existing above grade structural concrete, plywood or steel substrates.

3. Surface Preparation:

3.1 Concrete: All concrete surfaces to receive the EP - ENDURO-LASTIC ELA Modified Polymer Binder reinforced with a fiberglass chopped-strand mat should be of sound structural grade. Metal pans should be vented when used to form new concrete slabs. Concrete installed over precast "T's" should have control joints installed over coinciding joints or openings in the precast. New concrete should be cured by the water curing method for at least 28 days. The cured concrete should be sloped to the drains. Verify plastic drains are not used. A light broom finish is recommended that is free of cracks, voids, fins, ridges, air-entrained holes or other imperfections. Remove dirt, dust, debris, oil, grease, curing agents, bond breakers, and other surface contaminants. All contaminants and imperfections that may impair adhesion must be removed from new and existing concrete. They should be removed by sandblasting, shotblasting or mechanical grinding. The concrete should be thoroughly cleaned by using a commercial pressure washer. Imperfections should be repaired with manufacturer approved materials. All cracks over 1/16 inch in width and all moving cracks less than 1/16 inch in width should be saw cut to 1/4 inch wide by 1/2 inch deep. Completely clean all saw cut cracks, expansion joints and control joints. Install backer rod and fill flush with polyurethane sealant. Allow to cure overnight. Be aware that drying time depends on temperatures and humidity.

3.2 Plywood: All plywood surfaces should be selected and installed in accordance with the requirements of the applicable building code. Plywood shall be a minimum of 5/8 inch thick tongue and groove exterior grade and have joints blocked and fastened. Plywood should be fastened with non-corroding screws, twist shank nails or 10d annular ring nails. Plywood must be sloped to drain. All contaminants and imperfections that may impair adhesion must be removed. Verify that plastic drains are not used and that the deck will drain properly, without low spots or high fascia edges. Completely

clean all joints, cracks and seams. Fill all separations over 1/16 inch in width with polyurethane sealant. Apply joint reinforcement consisting of a 5 inch trowel coat of Enduro-Flex Underlayment and reinforcing fabric imbedded into the wet coating.

3.3 Steel: Roughen surfaces sufficiently to ensure proper bonding. Remove dirt, dust, debris, oil, grease, and other surface contaminants, which could adversely affect application of the pedestrian traffic coating. Verify steel surfaces are backed with rigid substrate with sufficient rigidity to avoid excessive deflection. Verify that plastic drains are not used and that the deck will drain properly, without low spots or high fascia edges.

3.4 Metal: Flashing, scuppers, edges, vents, and other metal should be galvanized or non-ferrous. All should be properly secured 4 inches on center with non-corroding screws or ring shank nails to the substrate. Metal should be primed with a thin coat of EN-M-70 Metal Primer by using a sprayer or roller. Flashing should be caulked in front and back with polyurethane sealant. Use the Enduro-Flex Underlayment to adhere reinforcing fabric at the joint of the metal and substrate.

4. Mixing & Priming/Mixing:

Stir EP - ENDURO-LASTIC ELA Modified Polymer Binder well before using.

5. Color/Finish/Packaging:

EP - ENDURO-LASTIC ELA Modified Polymer Binder should be used at package consistency. Coatings are available in five-gallon containers. The chopped-strand mat shall be a 0.75-ounce fiberglass, multidirectional chopped-strand mat.

6. Application:

6.1 Fiberglass Underlayment: Lay out the fiberglass chopped-strand mat over the area to be immediately worked in accordance with manufacturer's instructions. Fiber-Glass may be overlapped 1/2 inch.

6.2 EP - ENDURO-LASTIC ELA Modified Polymer Binder: Apply the modified polymer binder in over the fiberglass chopped-strand mat. Eliminate air bubbles and wrinkles. Apply a second coat of the modified polymer binder the next day to obtain proper film thickness, if required. Trim excess fiberglass mat at fascia edge before application of topping.

7. Coverage:

Apply EP-ENDURO-LASTIC ELA Modified Polymer



Binder at a rate of 50 SF per gallon.

8. Limitations:

Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Do not apply EP - ENDURO-LASTIC ELA Modified Polymer Binder over any type of lightweight concrete without written approval by Enduro Products. Do not apply to surfaces with excessive moisture content or when there is a threat of rain.

9. Cleaning Instructions:

Clean up tools and equipment with appropriate cleaning fluids after use.

10. Safety Health and Environmental Recommendations:

Provide proper ventilation. Avoid coating contact with skin and eyes. Use protective goggles and clothing. In case of eye contact, flood eyes with water and call a physician immediately. Wash hands thoroughly with soap and water after handling. Do not take internally. If

ingested, call a physician immediately. Read the Material and Safety Data Sheet for EP ENDURO-LASTIC ELA Modified Polymer Binder prior to handling or application as supplied by Enduro Products in California: (714) 526-5898, Fax (714) 526-6511; in Florida: (305) 591-8309, Fax (305) 591-8565; email: info@endurokote.com.

11. Warranty:

Enduro Products warrants its EP - ENDURO-LASTIC ELA Modified Polymer Binder to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Enduro Products makes no other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose with respect for Enduro Products. Enduro option, to replace or to refund the purchase price of the quantity of EP - ENDURO-LASTIC ELA Modified Polymer Binder proved to be defective and Enduro Products shall not be liable for any loss or damage.

Technical Data

TEST	REFERENCE	RESULTS
Weatherometer	ASTM D 1499 & G 152, Model D or H	2,000 Hours: No crazing, cracking, spalling, softening, or other surface deterioration.
Accelerated Aging	ASTM D 756, Procedures D & E, 6 Cycles; D, E, & F	No crazing, cracking, spalling, softening, or other surface 25 Cycles deterioration.
Bond Strength After Accelerated Aging	ASTM C 297 ASTM C 297, Procedures D, & E, 6 Cycles	Average 83 psi minimum.
After Accelerated Aging	ASTM D 756, Procedures D, E, & F, 26 Cycles	Average 82 psi minimum.
After Freeze Thaw	ASTM C 67	Average 104 psi minimum.
Abrasion Resistance	ASTM D 1242, Method A	Did not exceed maximum loss in thickness allowed.
Percolation		No noticeable leakage on each of 5 test specimens.
Water Absorption	ASTM D 570	8.7 percent by weight.
Chemical Resistance	ASTM D 2299	Unaffected By: Industrial detergent 20% solution, ammonia 5 % solution, salt 20% solution, anti-freeze, kerosene, turpentine, & paint thinner. Superficially Affected By: Chlorine 10% solution & sulfuric acid 3% solution. Moderately Affected By: Muriatic acid 10% solution.
Freeze Thaw	ASTM C 67	No breakage, weight loss, cracking, crazing, or delamination. Passed bond strength test requirements.
Concentrated Load		Average Residual Indentation: 0.009 inch.
Compressive Strength	ASTM C 109	5,450 psi.





ENDURO-LASTIC

APPLICATION GUIDELINE

SECTION (07 18 13)

PEDESTRIAN TRAFFIC COATINGS FOR PLYWOOD, CONCRETE AND STEEL

PART 1 GENERAL

1.1 PRODUCT DESCRIPTION:

The ENDURO-LASTIC Waterproof Deck Coating System, consists of a Modified Polymer Binder, that is reinforced with a fiberglass, multi-directional chopped strand mat. The ENDURO-LASTIC fiber glass underlayment is covered with a modified cement textured walking surface, and a color coat. The ENDURO-LASTIC Waterproof Deck Coating is a breathing membrane system that has been tested for water vapor transmission.

1.2 PRODUCT USE:

ENDURO-LASTIC is designed for new construction, and reconstruction applications on many types of surfaces, including walkways, stairs, and balconies, with a concrete, plywood, or steel substrate. It is ideal for reconstruction of elastomeric systems, exposed aggregate, Magnesite/Diata, cementitious systems, concrete toppings over structural concrete, etc.

1.21 The methods of application involved may require modification to adjust to job site conditions, air temperature, and weather. (Consult Enduro Products for specific design requirements).

1.3 PLYWOOD SUBSTRATE:

Plywood must be structurally sound, clean, dry, and free of dust, paint or any foreign materials, and sloped for drainage a minimum of 1/4-inch per lineal foot. The plywood must be a minimum of (19/32) 5/8-inch nominal thick, exterior grade, applied to framing a maximum of 16-inches on center, with all joints blocked or tongue and grooved, supported along all edges, fastened by ring shank nails, or counter sunk screws, spaced as required by The Code. Wood substrate must comply with ICC-ES PCC-ES acceptance criteria for walking decks AC308, Section 1.2 for exterior grade plywood. All slider and door thresholds, jambs, posts, walls, scuppers, and fascia edges must have bonderized metal flashing in accordance with The Code.

1.4 CONCRETE AND EXTERIOR PORTLAND CEMENT MORTAR SUBSTRATE AND SURFACES:

1.41 Substrate shall be of sound structural grade, in accordance with A.C.I. (American Concrete Institute) 301 Specifications for Structural Concrete for Buildings, and shall have a steel-troweled, fine broom finish, free of loose particles, fins, ridges, voids, or air entrained holes.

1.42 Concrete shall be sloped for proper drainage per The Code, and shall be cured a minimum of 28 days.

1.43 Surface must be free of curing agents, bond breakers, oil, grease, dust or any foreign matter, which will prevent proper bonding. Surface can be cleaned by water blasting, sand blasting, or a detergent scrub and rinse.

1.44 Control joints and expansion joints shall have been installed at all known deck stress concentration points throughout the surface of the deck to control cracking caused by shrinkage and deflection.

1.5 STEEL SUBSTRATE AND SURFACES:

1.51 Steel surfaces shall be solidly backed by a rigid substrate and shall have sufficient rigidity to avoid excessive deflection. The surface must be roughened sufficiently to assure proper bonding, which may be obtained by sanding or grinding. All dust, oil, grease, and any foreign matter must be removed from the surface.

1.52 Galvanized sheet metal flashing shall be bonderized, and shall be installed in accordance with applicable codes.

1.6 JOB SITE CONDITIONS:

- 1.61 Avoid application prior to or during inclement weather.
- 1.62 Normal application shall be limited to a temperature range between 50°F and 95°F.
- 1.63 If there are deficiencies in the structural integrity of any portion of the structure, which will affect the application of the ENDURO- LASTIC System, the owner/general contractor shall be notified in writing, and corrections made, before application can proceed.

PART 2 QUALIFICATIONS

2.1 APPLICATORS:

Shall be regularly and specializing (for the preceding five years), in the application of similar materials, and shall be a licensed contractor in the state where the work will be performed.

2.2 SUBMITTALS:

Shall include a sample of the ENDURO-LASTIC System, and Application Guideline/Specifications.

PART 3 MATERIALS

The materials shall be delivered to the job site in the original sealed containers. The label shall bear the product name, manufacturers lot number, and precautionary labels. Applicator shall read and understand all Material Safety Data Sheets prior to using materials.

3.1 ENDURO-LASTIC ELA-98 MODIFIED POLYMER BINDER:

Packaged in 5-gallon containers. (NOTE: DO NOT USE Accelerator Chemicals with ELA-98 Modified Polymer).

3.2 .75 oz. FIBER GLASS, MULTIDIRECTIONAL CHOPPED STRAND MAT:

70 to 75 pound rolls with 1,350 to 1,450 square feet per roll.

3.3 ENDURO-KOTE EKL EMULSION:

Packaged in 5-gallon containers.

3.4 ENDURO-KOTE EKC CEMENTITIOUS MIX:

Packaged in 46 pound bags. (NOTE: Mix one gallon of EKL Emulsion, with one 46 pound bag of EKL Cementitious Mix to obtain the CEMENTITIOUS MIXTURE for Texture Coat, patching and repair purposes, and sloping).

3.5 ENDURO-KOTE EKS COLOR COAT:

Packaged in 5-gallon containers.

PART 4 SUBSTRATE SURFACE PREPARATION, NEW CONSTRUCTION & RECONSTRUCTION

4.1 NEW CONSTRUCTION, PLYWOOD:

Fill all joints, knots, and feather uneven plywood joints with the CEMENTITIOUS MIXTURE.

4.2 NEW CONSTRUCTION, CONCRETE:

Fill all holes and imperfections in concrete surface with CEMENTITIOUS MIXTURE. Apply caulk in control joints, and level to surface of concrete. DO NOT install ENDURO-LASTIC System over expansion joints. Stop ENDURO-LASTIC at the edge of the expansion joint, and caulk the joint, if necessary.

4.3 RE-CONSTRUCTION, MISCELLANEOUS SUBSTRATE SURFACES:

4.31 ELASTOMERIC WITH SMALL AGGREGATE:

Remove all loose material and fasten plywood joints and metal flashing where necessary. Clean entire surface by brooming or scrub washing if necessary. The CEMENTITIOUS MIXTURE should be used to smooth over rough areas and fill plywood joints. Use EKL Emulsion as a Primer before application of the ENDURO-LASTIC System.

4.32 ELASTOMERIC WITH LARGE AGGREGATE:

Remove all loose aggregate and repair and clean as described in Section 4.31. Use EKL Emulsion as a Primer. Mix a loose mixture of the CEMENTITIOUS MIXTURE and trowel it into the aggregate. After several hours of cure, and when dry, trowel another coat of the CEMENTITIOUS MIXTURE over the entire surface, leaving a smooth surface for the application of the ENDURO-LASTIC System.

4.33 MAGNESITE/DIATO:

Remove and repair unstable areas with the CEMENTITIOUS MIXTURE. Sand the entire surface to remove the build-up of sealer coating. After cleaning, use the EKL Emulsion as a primer before installing the ENDURO-LASTIC System.

4.34 CEMENTITIOUS SYSTEMS:

Prepare surface as described in Section 4.31. Use the EKL Emulsion as a primer before application of the ENDURO-LASTIC System.

4.35 STRUCTURAL GRADE CONCRETE AND CONCRETE TOPPING:

Remove existing waterproof coating, if necessary. Clean entire surface with water blaster or scrub brush and rinse. Repair all voids rough surfaces, cracks, etc., with the CEMENTITIOUS MIXTURE. Caulk all control joints and level smooth with surface. Use EKL Emulsion as a primer before application of the ENDURO-LASTIC System. DO NOT install ENDURO-LASTIC System over expansion joints. Stop ENDURO-LASTIC at the edge of the expansion joint, and caulk the joint, if necessary.

4.36 SLOPING FLAT SURFACES:

The CEMENTITIOUS MIXTURE may also be used for sloping surfaces before the application of the ENDURO-LASTIC System. Allow sloped areas a minimum of 24 hours of cure time before application of the ENDURO-LASTIC fiberglass under-layment.

NOTE: The surface preparations, described above, do not represent all job site conditions, which may vary considerably. Consult Enduro-Products for unusual applications.

PART 5 APPLICATION

5.1 ENDURO-LASTIC FIBER GLASS UNDER-LAYMENT:

Lay out the Fiber Glass Chopped Strand Mat over area to be immediately worked, stopping at the riser of the flashing, and extend past the fascia edge approximately 3/4-inch. DO NOT OVERLAP fiber glass mat. Shred edges that join, approximately one inch, and mesh together. Use a 1/2-inch drill motor, set at a maximum of 300 R.P.M., and a flat cross mixing tool, to mix the ENDURO-LASTIC ELA-98 Modified Polymer for approximately 3 minutes or until thoroughly mixed. Apply the ELA-98 with a roller, at the rate of 50 square feet per gallon, over the fiber glass mat, back rolling the entire area, in both directions. Use an aluminum Venus Roller, designed for fiber glass mat, over the wet ELA-98, to eliminate air bubbles and wrinkles. Cure time depends on Air Temperature and Humidity. During low range temperature conditions, the ELA-98 has to be applied at a thinner rate to allow for curing, and a second coat will be required the next day to obtain the proper film thickness. The Texture and Color Coat may be applied when the ELA-98 is dry. During medium to high temperature and low humidity conditions, the Texture and Color Coat may be applied after four to six hours cure time, or when the ELA-98 is dry. Before application of the Texture Coat, trim the excess fiber glass mat at the fascia edge with a sharp utility knife.

5.2 ENDURO-LASTIC TEXTURE AND COLOR COAT:

Using the CEMENTITIOUS MIXTURE in a hopper with a pattern pistol, spray the mixture over the ENDURO-LASTIC under-layment in a pattern, at the rate of 200 square feet per mixture, and knock down with a trowel to a thickness of 1/16-inch. (The Enduro-Dek Architectural Design Coating may substitute for the Texture Coat). After the Texture Coat has cured for several hours, and is hard, the Color Coat (after mixing), may be applied at the approximate rate of 150 square feet per gallon. The Color Coat should be allowed to cure for 2 hours before "light" traffic is allowed.

5.3 Traffic should be restricted on the completed ENDURO-LASTIC System until the Owner/Contractor has given final approval, and accepted the applicator's work.

PART 6 MAINTENANCE

Maintenance of the ENDURO-LASTIC System is the responsibility of the ultimate User/ Owner. A copy of the Maintenance Policy and Procedure may be obtained from the Applicator or Enduro Products.

PART 7 QUALITY CONTROL

- 7.1 ENDURO-LASTIC is manufactured under a rigid in house Quality Control Program.
- 7.2 Physical characteristics of materials used in the manufacturing process of ENDURO-LASTIC are certified by the material suppliers to be within the tolerances of the materials used for the original required testing procedures.

PART 8 LIMITED WARRANTY

The ENDURO-LASTIC Waterproof System guarantees waterproofing performance for a period of “five” years from date of installation. This Warranty is invalidated if failure is caused by misuse, mistreatment, faulty design, structural or seismic failure, improper application, deviations from specifications, or other circumstances beyond the control of Enduro Products. This Warranty covers water proofing performance only, and in no event will Enduro Products be liable for incidental or consequential damages, nor shall liability, if any, extend beyond the purchase price of the material.



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ENDURO-LASTIC

PRODUCT GUIDE SPECIFICATION

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, as described in The Project Resource Manual—CSI Manual of Practice.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” when editing this section.

Section numbers [and titles] are from MasterFormat 1995 Edition, with numbers [and titles] from MasterFormat 2004 Edition in parentheses. Delete version not required.

SECTION 07180 (07 18 13)

PEDESTRIAN TRAFFIC COATINGS

Specifier Notes: This section covers Enduro Products “Enduro-Lastic” waterproof deck coating system for plywood, concrete, and steel. Consult Enduro Products for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

Specifier Notes: Edit the following sentence for plywood, concrete, or steel substrate.

- A. Pedestrian traffic coating applied to [plywood] [concrete] [steel] substrate.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 03300 (03 30 00) – Cast-in-Place Concrete.
- B. Section 06160 (06 16 00) – Sheathing.
- C. Section 07620 (07 62 00) – Sheet Metal Flashing and Trim.
- D. Section 07920 (07 92 00) – Joint Sealants.

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ASTM C 67 – Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile.
- B. ASTM C 109 – Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens).
- C. ASTM C 297 – Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions.

- D. ASTM D 570 – Standard Test Method for Water Absorption of Plastics.
- E. ASTM D 756 – Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions.
- F. ASTM D 1242 – Standard Test Methods for Resistance of Plastic Materials to Abrasion.
- G. ASTM D 1499 – Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Plastics.
- H. ASTM D 2299 – Recommended Practice for Determining Relative Stain Resistance of Plastics.
- I. ASTM E 96 – Standard Test Methods for Water Vapor Transmission of Materials.
- J. ASTM G 152 – Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials.

1.4 PERFORMANCE REQUIREMENTS

- A. Provide waterproof, wearing surface for pedestrian traffic.
- B. Fiber Glass Underlayment:
 - 1. Percolation Test: Pass. No sign of moisture at underside of specimen.
 - 2. Bond Strength Test, ASTM C 297, Average 5 Specimens Each:
 - a. Plywood: 146 psi, cohesive failure within fiber glass.
 - b. Concrete: 145 psi, cohesive failure within fiber glass.
 - c. Sheet Metal: 157 psi, cohesive failure within fiber glass.
 - 3. Water Vapor Transmission Test, ASTM E 96, Average 3 Specimens: 20 grams/hr/sq ft, 4 perms.
- C. Texture and Color Coats:
 - 1. Weatherometer Test, ASTM D 1499 and G 152, Model D or H, 2,000 Hours: No crazing, cracking, spalling, softening, or other surface deterioration.
 - 2. Accelerated Aging Test, ASTM D 756, Procedures D and E, 6 Cycles, and Procedures D, E, and F, 25 Cycles: No crazing, cracking, spalling, softening, or other surface deterioration.
 - 3. Bond Strength, ASTM C 297:
 - a. After Accelerated Aging Test, ASTM C 297, Procedures D and E, 6 Cycles: Average 83 psi minimum.
 - b. After Accelerated Aging Test, ASTM D 756, Procedures D, E, and F, 26 Cycles: Average 82 psi minimum.
 - c. After Freeze Thaw Test, ASTM C 67: Average 104 psi minimum.
 - 4. Abrasion Resistance Test, ASTM D 1242, Method A: Did not exceed maximum loss in thickness allowed.
 - 5. Percolation: No noticeable leakage on each of 5 test specimens.
 - 6. Water Absorption Test, ASTM D 570: 8.7 percent by weight.
 - 7. Chemical Resistance Test, ASTM D 2299:
 - a. Unaffected By: Industrial detergent 20 percent solution, ammonia 5 percent solution, salt 20 percent solution, anti-freeze, kerosene, turpentine, and paint thinner.
 - b. Superficially Affected By: Chlorine 10 percent solution and sulfuric acid 3 percent solution.
 - c. Moderately Affected By: Muriatic acid 10 percent solution.
 - 8. Freeze Thaw Test, ASTM C 67:
 - a. No breakage, weight loss, cracking, crazing, or delamination.
 - b. Passed bond strength test requirements.
 - 9. Concentrated Load, Average Residual Indentation: 0.009 inch.
 - 10. Compressive Strength Test, ASTM C 109: 5,450 psi.

1.5 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including surface preparation and application instructions.
- C. Samples:
 - 1. Submit manufacturer's standard color chart for selection of color.
 - 2. Submit manufacturer's samples of pedestrian traffic coating, minimum 4 inches by 9 inches.

- D. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- E. Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.
- F. Warranty: Submit manufacturer's standard warranty.

1.6 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer regularly engaged, for preceding 10 years, in manufacture of pedestrian traffic coatings of similar physical characteristics to those specified.
- B. Applicator's Qualifications:
 - 1. Applicator regularly engaged, for preceding 5 years, in application of similar materials to those specified.
 - 2. Approved by manufacturer.

Specifier Notes: Edit the following sentence for plywood, concrete, or steel substrate.

- C. Pre-application Meeting:
 - 1. Convene pre-application meeting before start of application of pedestrian traffic coating.
 - 2. Require attendance of parties directly affecting work of this section, including Contractor, Architect, and applicator.
 - 3. Review examination, preparation, mixing, application, protection, and coordination with other work.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly indicating the following on each container:
 - 1. Product name.
 - 2. Manufacturer.
 - 3. Material batch or lot number.
- B. Storage: Store materials in clean, dry area indoors, off ground, in accordance with manufacturer's instructions.
- C. Handling: Protect materials during handling and application to prevent contamination or damage.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. When applying pedestrian traffic coating at air temperatures below 50 degrees F or above 95 degrees F, contact manufacturer regarding additives to be added in mixing liquids.
- B. Do not apply pedestrian traffic coating for 24 hours before or during rainy weather.

1.9 WARRANTY

- A. Warranty Period for Waterproofing Performance: 5 years from date of installation.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Enduro Products, 930-A East Orangethorpe Avenue, Anaheim, California 92801.
Phone: (714) 526-5898 • Fax: (714) 526-6511 • Website: www.endurokote.com • Email: info@endurokote.com.

2.2 PEDESTRIAN TRAFFIC COATINGS

- A. Pedestrian Traffic Coating: Enduro-Lastic waterproof deck coating system for plywood, concrete, and steel.
 - 1. Polymer Binder: Enduro-Lastic ELA-98 Modified Polymer Binder.
 - 2. Chopped-Strand Mat: 0.75-ounce fiber glass, multidirectional chopped-strand mat.
 - 3. Enduro-Kote EKL.
 - 4. Enduro-Kote EKC.
 - 5. Enduro-Kote EKS.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive pedestrian traffic coating.
 - 1. Verify deck will drain properly, without low spots or high fascia edges.
 - 2. Verify bonderized, galvanized sheet metal flashing at perimeter is as specified in Section 07620 (07 62 00), with joints and seams caulked as specified in Section 07920 (07 92 00).
 - 3. Verify plastic drains are not used.

Specifier Notes: Include the following paragraph when applying pedestrian traffic coating to plywood substrate.

- B. Plywood Substrate:
 - 1. Verify exterior-grade plywood substrate is as specified in Section 06160 (06 16 00).
 - 2. Verify plywood is clean, dry, structurally sound, and to proper slope.
 - 3. Verify plywood is fastened to framing as specified.
 - 4. Verify plywood joints are tongue and grooved or tightly blocked.

Specifier Notes: Include the following paragraph when applying pedestrian traffic coating to concrete substrate.

- C. Concrete Substrate:
 - 1. Verify concrete is as specified in Section 03300 (03 30 00).
 - 2. Verify concrete is clean, dry, and sound, with steel-troweled, fine-broom finish.
 - 3. Verify concrete surface is free of loose particles, fins, ridges, voids, and air-entrained holes.
 - 4. Verify concrete is properly sloped for drainage.
 - 5. Verify concrete is cured a minimum of 28 days.

Specifier Notes: Include the following paragraph when applying pedestrian traffic coating to steel substrate.

- D. Steel Substrate: Verify steel surfaces are backed with rigid substrate with sufficient rigidity to avoid excessive deflection.
- E. Notify Architect of conditions that would adversely affect application or subsequent use.
- F. Do not begin surface preparation or application until unacceptable conditions are corrected.

3.2 PREPARATION

- A. Protection: Protect adjacent surfaces from contact with pedestrian traffic coating.

Specifier Notes: Consult Enduro Products for information regarding surface preparation of substrate for the specific application.

- B. Prepare surfaces to receive pedestrian traffic coating in accordance with manufacturer's instructions.

Specifier Notes: Include the following paragraph when applying pedestrian traffic coating to plywood substrate.

- C. Plywood Substrate: Remove dirt, dust, debris, oil, grease, paint, and other surface contaminants which could adversely affect application of pedestrian traffic coating.

Specifier Notes: Include the following paragraph when applying pedestrian traffic coating to concrete substrate.

- D. Concrete Substrate: Remove dirt, dust, debris, oil, grease, curing agents, bond breakers, and other surface contaminants which could adversely affect application of pedestrian traffic coating.

Specifier Notes: Include the following paragraph when applying pedestrian traffic coating to steel substrate.

E. Steel Substrate:

1. Roughen surfaces sufficiently to ensure proper bonding.
2. Remove dirt, dust, debris, oil, grease, and other surface contaminants which could adversely affect application of pedestrian traffic coating.

3.3 MIXING

- A. Mix materials in accordance with manufacturer's instructions.

3.4 APPLICATION

- A. Apply pedestrian traffic coating in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Fiber Glass Underlayment:
1. Lay out fiber glass chopped-strand mat over area to be immediately worked in accordance with manufacturer's instructions.
 2. Do not overlap fiber glass mat.
 3. Apply polymer binder in accordance with manufacturer's instructions over fiber glass mat.
 4. Eliminate air bubbles and wrinkles.
 5. Apply second coat of polymer binder next day to obtain proper film thickness, if required.
 6. Apply texture and color coats when polymer binder is dry.
 7. Trim excess fiber glass mat at fascia edge before application of texture coat.
- C. Texture Coat:

Specifier Notes: Specify texture, smooth, or decorative finish coat.

1. Texture Coat: Spray mixture uniformly over fiber glass underlayment and polymer binder to achieve surface texture equal to samples accepted by Architect.
2. Apply smooth or decorative finish coat over fiber glass underlayment and polymer binder to achieve surface equal to samples accepted by Architect. Smooth coat shall meet standards for non-skid surface.
3. Minimum Thickness: 1/16 inch.

- D. Color Coat: Apply 2 uniform coats of color coat over finish coat.

3.5 PROTECTION

- A. Protect completed pedestrian traffic coating from pedestrian traffic for a minimum of 24 hours after application of color coat.
- B. Protect completed pedestrian traffic coating from damage during construction and from continuous contact with solvents.





ENDURO PRODUCTS

Providing Waterproofing Solutions Since 1983

Safety Data Sheet

Section 1: Identification of the Product/Company

Product Identifier:

Product Name: Enduro-Lastic ELA Binder

Product Code:

Relevant identified uses of the substance or mixture

Recommended use:

For professional use in the construction industry

Uses advised against:

None identified

Details of the supplier of the safety data sheet

Manufacturer:

Enduro Products
1133 N. Pratt Street
Anaheim, CA 92801
United States
www.endurokote.com
(714) 526-5898

Telephone (General)

Emergency telephone number

Manufacturer: (714) 526-5898 USA

Section 2: Hazards Identification

Classification of the substance or mixture

GHS-US classification

No need for classification according to GHS criteria for this product

Label elements

GHS-US labeling

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards

No other information available

Unknown acute toxicity (GHS-US)



Safety Data Sheet

No data available

Section 3: Composition/information on ingredients

Substances

Name	Product Identifier	% by weight	GHS-US classification
Acrylic copolymer dispersion Non hazardous components VOC= 0 grams/ltr	Trade secret	20-60	NA

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.

Section 4: First aid measures

Description of necessary first aid measures

First-aid measures general:

Remove contaminated clothing

First-aid measures after inhalation:

If affected, remove to fresh air. Assist in breathing if necessary

First-aid measures after skin contact:

Immediately remove contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if symptoms of irritation or burns occur.

First-aid measures after eye contact:

Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.

First-aid measures after ingestion:

Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse out the mouth with water and give plenty of water to drink. Get medical attention immediately.

Most important and effects, both acute and delayed

Symptoms:



Safety Data Sheet

None expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder

Unsuitable extinguishing media:

None known

Special hazards arising from the substance or mixture

Fire hazard:

Poses no fire related hazard. No particular hazards known

Explosion hazard:

Non-explosive

Reactivity:

Will not facilitate or support combustion of other materials.

Advice for firefighters

Firefighting instructions:

Not required

Protection during firefighting:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Additional information

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Wear protective equipment as described under Section 8 and follow the advice of safe handling and use given under Section 7. Emergency procedures are not required.

For non-emergency personnel

Protective equipment:

Wear chemical resistance (impervious) gloves

Emergency procedures:

High risk of slipping due to spillage/leakage of product



ENDURO PRODUCTS

Providing Waterproofing Solutions Since 1983

Safety Data Sheet

For emergency responders

Protective equipment:

Not Applicable

Emergency procedures:

Not Applicable

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, etc.). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off products

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

Precautions for safe handling

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Hygiene measures:

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and house-keeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. In dusty environment, wear dust mask, protective goggles and gloves.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Store protected against freezing

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well-ventilated area, at ambient temperature directly out of the sunlight.



Safety Data Sheet

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

No occupational exposure limits known

Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation

Personal protective equipment:

Wear protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear chemically resistant protective gloves

Eye protection:

Chemical goggles or safety glasses with side-shields should be worn especially in a splashing environment. Use contact lenses solely is not recommended.

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

Hands or face should be washed before breaks and at the end of and shift. Avoid contact with skin and eyes.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

Liquid

Appearance:

Watery viscosity

Color:

Milky White



Safety Data Sheet

Odor:	Sweet
Odor threshold:	Not available
pH:	7.5 – 9.0
Relative evaporation rate (butyl acetate=1):	<1 Slower
Melting point:	Not available
Boiling point:	>212 ° F
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	>18.62 mm Hg @ 20 ° C
Flash Point:	Not Applicable
Flash Point Method:	Not Applicable
Relative vapor density @ 20 ° C:	
Relative density:	1.05
Density:	lbs / gal
Solubility:	Completely miscible
Log Pow:	Not available
Log Kow:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	Not available
Explosive properties:	Non-explosive
Oxidizing properties:	None known
Explosive limits:	Not Applicable

Other information:

No further relevant information available

Section 10: Stability and reactivity

Reactivity

Corrosive effects to metal are not anticipated and not fire propagating

Chemical Stability

Product is stable under normal storage conditions

Conditions to Avoid

Avoid extreme heat and freezing conditions

Incompatible Materials

Oxidizing agents (i.e. perchlorates, nitrates etc.), and reactive metals (i.e. sodium, calcium, zinc etc.). Reaction with peroxides may result in violent decomposition with the possibility of creating an explosion.

Hazardous Decomposition Products



Safety Data Sheet

(From burning, heating or reaction with other materials): Carbon Monoxide and Carbon Dioxide in a fire. Irritating and toxic fumes are produced at elevated temperatures. Aldehydes are also produced.

Section 11: Toxicological information

Information on toxicological effects

TOXICITY MEASURES:

Primary routes of exposure:

Routes of entry are ingestion and inhalation, but may include eye or skin contact.

Acute toxicity:

Assessment of acute toxicity: Virtually non-toxic after a single ingestion. Virtually non-toxic after a single skin contact. Virtually non-toxic after inhalation. Ingestion may cause gastrointestinal disturbances.

Chronic toxicity:

No delayed chronic test data are known

Other information:

The product is considered to be harmless to health if used in the correct manner

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

Toxicity

As far as present knowledge, the product is non-toxic

Persistence and degradability

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Bioaccumulation:

Accumulation in organisms is not to be expected

Mobility

No data available

Other adverse effects

Not determined for this product

Section 13: Disposal considerations



Safety Data Sheet

Waste treatment methods

Regional legislation (waste):

Dispose of waste and unused contents in accordance with national and local regulations.

Waste disposal recommendations:

Ensure the use of properly authorized waste management companies where appropriate or uncertain.

Section 14: Transport information

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)	SECTION 304 RQ (40 CFR Table 302.4)	SECTION 313 TRI (40 CFR 372.65)
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Not considered hazardous

A Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: No; CHRONIC: Yes; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

U.S. CERCLA Reportable Quantity (RQ):

This product is not listed under CERCLA

U.S. Clean Air Act Threshold Quantity (TQ):

This product is not listed.

U.S. Clean Water Act Requirements:

This product is not listed

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product contains crystalline silica, quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Canadian WHMIS Classification:

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ENDURO PRODUCTS

Providing Waterproofing Solutions Since 1983

Safety Data Sheet

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

European Inventory of Existing Chemicals (EINECS):

All of the components of this product are included on EINECS.

Section 16: Other information

Indication of changes:

Other information:

Full text of H phrases:



NFPA health hazard: 1-May be irritating

NFPA fire hazard: 1-Combustible if heated

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. Enduro Products **makes no warranty, expressed or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by Enduro Products**, except that the product shall conform to Enduro Products' specification.

Safety Data Sheet

Section 1: Identification of the Product/Company

Product Identifier:

Product Name: ENDURO-KOTE EKC Cementitious Mix ----- EKC Gray or White
ENDURO-DEK Colored Cementitious Mix ----- Enduro-Dek

Product Code:

Relevant identified uses of the substance or mixture

Recommended use:

For professional use in the construction industry

Uses advised against:

None identified

Details of the supplier of the safety data sheet

Manufacturer:

Enduro Products
1133 N. Pratt Street
Anaheim, CA 92801
United States
www.endurokote.com

Telephone (General)

(714) 526-5898

Emergency telephone number

Manufacturer: (714) 526-5898 USA

Section 2: Hazards Identification

Classification of the substance or mixture

GHS-US classification

Skin Corrosion/Irritation:	Category 2, H315
Eye Damage:	Category 1, H318
Skin Sensitization:	Category 1, H317
Carcinogenicity:	Category 1A, H350
Specific target organ systemic toxicity (single exposure):	Category 3, H335
Specific target organ systemic toxicity (repeated exposure):	Category 1, H372

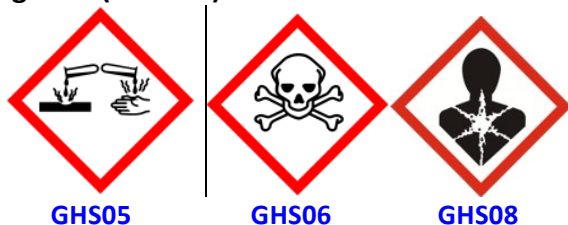
Label elements

GHS-US labeling

Safety Data Sheet

The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms (GHS-US)



Signal words (GHS-US):

Danger

Hazards statements (GHS-US):

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H335 May cause respiratory irritation
H350 May cause cancer
H372 Cause damage to organs through prolonged or repeated use

Precautionary statements (GHS-US)

Prevention:

P102 Keep out of reach of children
P280 Wear protective gloves, clothing, and eye/face protection

Response:

P305 + P351 + P338 + P310: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor/physician.
P302 + P352 + P333 + P313: Wash with plenty soap and water. If skin irritation or rash occurs: Get medical advice/attention
P261 + P304 + P340 + P312: Avoid breathing dust/fumes, gas, mist, vapors, spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician

Safety Data Sheet

Storage:

P403+P233 store in a well-ventilated place. Keep container tightly closed
P403 + P235 Store in a well-ventilated place. Keep cool
P405 Store locked up

Disposal:

P501 Dispose of contents and containers in accordance with local, regional and international regulations

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)-Annex III

Other hazards

No other information available

Unknown acute toxicity (GHS-US)

No data available

Section 3: Composition/information on ingredients

Substances

Name	Product Identifier	% by weight	GHS-US classification
Ordinary Portland Cement	CAS # 65997-15-1	5-30	Skin irritant 2, H315 STOT SE 3, H335 Eye irritant, H318 Skin sensitization 1, H317
Sand	CAS # 14808-60-7	55-85	STOT SE 3, H335 STOT RE 1, H372 Carc. 1A, H350

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.

Section 4: First aid measures

Description of necessary first aid measures

First-aid measures general:

Safety Data Sheet

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

First-aid measures after inhalation:

If affected, remove to fresh air. Dust in throat or nasal passage should clear spontaneously. Get medical attention if irritation persists or any discomfort, coughing or other symptoms continue or do not subside.

First-aid measures after skin contact:

Immediately remove contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if symptoms of irritation or burns occur.

First-aid measures after eye contact:

Do not rub eyes as additional corneal damage will continue to occur. Remove any contact lenses and open eyelids widely to flush immediately by thoroughly rinsing with plenty of clean water for at least 45 minutes to remove all particles. If possible use isotonic water (0.9% Sodium Chloride). Contact an eye specialist immediately.

First-aid measures after ingestion:

Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse out the mouth with water and give plenty of water to drink. Get medical attention immediately.

Most important and effects, both acute and delayed

Symptoms:

Irritation may occur. Pre-existing skin problems may be aggravated by prolonged or repeated contact.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

All type of extinguishing media are suitable

Unsuitable extinguishing media:

None known

Special hazards arising from the substance or mixture

Fire hazard:

Poses no fire related hazard. Non-combustible material

Explosion hazard:

Non-explosive

Reactivity:

Safety Data Sheet

Will not facilitate or support combustion of other materials.

Advice for firefighters

Firefighting instructions:

Not required

Protection during firefighting:

No need for specialist fire-fighting equipment.

Additional information

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Wear protective equipment as described under Section 8 and follow the advice of safe handling and use given under Section 7. Emergency procedures are not required.

For non-emergency personnel

Protective equipment:

Wear chemical resistance (impervious) gloves

Emergency procedures:

None required

For emergency responders

Protective equipment:

Not Applicable

Emergency procedures:

Not Applicable

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

For containment:

Recover spillage in a dry state if possible.

Methods for cleaning up:

Use dry cleanup methods that do not promote airborne dispersions e.g.

Vacuum cleaner (Industrial portable units, equipped with high efficiency particulate filters (HEPA filter) or equivalent technique).

- Wipe up the dust by mopping, wet brushing or water sprays or hoses (fine mist to avoid the dust becoming airborne) and remove slurry. If not possible, remove by slurring with water (see Wet product).

When wet cleaning or vacuum cleaning is not possible and only dry cleaning with brushes can be done, ensure that the workers wear appropriate personal protective equipment and prevent dust from spreading.

Safety Data Sheet

Avoid inhalation of product and contact with skin. Place spilled materials into a container. Solidify before disposal as described under Heading 13.

Wet product: Clean up wet product and place in a container. Allow material to dry and solidify before disposal as described under Heading 13.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

Section 7: Handling and storage

Do not handle or store near food and beverages or smoking material

Precautions for safe handling

Precautions for safe handling:

Do not ingest, avoid contact with skin and avoid contact with eyes. Avoid generating dust.

Hygiene measures:

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and house-keeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. In dusty environment, wear dust mask, protective goggles and gloves.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Bulk material should be stored in silos that are waterproof. Packed products should be stored in unopened bags clear of the ground in cool, dry conditions and protected from excessive draught, humid conditions and excesses of temperatures to avoid degradation of quality.

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well-ventilated area, at ambient temperature directly out of the sunlight.

Special rules on packaging:

Bags should be stacked in a stable manner. Do not use Aluminum containers due to incompatibility of the materials.

Specific end use(s)

Section 8: Exposure controls/personal protection

Safety Data Sheet

Control parameters

Occupational exposure limits:

Chemical Name	CAS #	EXPOSURE LIMITS
Ordinary Portland Cement	65997-15-1	OSHA PEL 5mg/m ³ ACGIH TLV 1mg/m ³
Sand	14808-60-7	OSHA PEL .05 mg/m ³ ACGIH TLV .025 mg/m ³

Exposure controls

Appropriate engineering controls:

Use only with adequate ventilation. If the operation generates dust, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure of airborne particulates below any recommended or statutory limits

Personal protective equipment:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear impervious, waterproof, abrasion and alkali resistant gloves. Do not rely on barrier cream versus abrasion resistant gloves. Do not allow product inside the gloves.

Eye protection:

Chemical goggles or safety glasses with side-shields should be worn especially in a dust environment. Use contact lenses solely is not recommended.

Skin and body protection:

Wear impervious, waterproof, abrasion and alkali resistant boots and protective long sleeved and long legged clothing to protect the skin from contact with this product. Remove any clothing that becomes saturated with this product and thoroughly wash the exposed areas immediately.

Respiratory protection:

Safety Data Sheet

If a risk assessment indicates the necessity for respiratory protection, use a properly fitted particulate filter respirator. Selection of respirator will be based upon the hazards of the product, the known or anticipated exposure levels and the assigned protection factor of the respirator.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

Clean water should always be available for skin and emergency (eye) washing. Periodically wash any area contacted with the product using a pH neutral soap and uncontaminated water. When using, do not eat, drink or smoke

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Powdery material
Color:	Gray, White, Mushroom, Saltillo, Sauterne, Parchment, Cinnamon, Limestone, Sand Beige, Copper Beech and Slate Gray
Odor:	Odorless
Odor threshold:	Not available
pH:	12-13
Relative evaporation rate (butyl acetate=1):	Not Applicable
Melting point:	Not available
Boiling point:	Not determined
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	Not Determined
Flash Point:	Not Applicable
Flash Point Method:	Not Applicable
Relative vapor density @ 20 ° C:	0.0
Relative density:	2.5
Density:	20.8 lbs / gal
Solubility:	0.1-1%
Log Pow:	Not available
Log Kow:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	Not available

Safety Data Sheet

Explosive properties:
Oxidizing properties:
Explosive limits:

Non-explosive
None known
Not Applicable

Other information:

No further relevant information available

Section 10: Stability and reactivity

Reactivity

No data available

Chemical Stability

Product is stable under normal storage conditions

Conditions to Avoid

Avoid humid conditions during storage as this might cause lumps and loss of product quality

Incompatible Materials

Avoid strong acids, bases and strong oxidizers and avoid the uncontrolled use of Aluminum powder in the wet product as Hydrogen will be produced.

Hazardous Decomposition Products

Product will not decompose into other hazardous by-products and will not polymerize

Section 11: Toxicological information

Information on toxicological effects

TOXICITY MEASURES:

Acute toxicity:

Based upon available data, the classification criteria are not met

Skin corrosion/irritation: (Category 2)

When in contact with wet skin may cause thickening, cracking or fissuring on the skin. Prolonged contact in addition with abrasion may cause severe burns.

Serious eye damage/irritation: (Category 1)

Direct contact may cause corneal damage by mechanical stress, immediate or delayed irritation or inflammation. Direct contact by large amounts may cause effects ranging from moderate irritation to chemical burns and blindness.

Respiratory or skin sensitization: (Category 1)

Some individuals may develop eczema upon exposure by the high pH which induces irritant contact dermatitis after prolonged contact. The response may appear in a variety of forms ranging from a mild rash to severe dermatitis. There is no indication of sensitization to the respiratory system.

Germ cell mutagenicity:

This product is not classified as a mutagen

Chronic Health Effects:

Safety Data Sheet

Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Carcinogenicity:

The product contains an ingredient that may cause cancer.

Reproductive toxicity:

Developmental: Based on available data, the criteria are not met

Teratogenicity: Not hazardous by WHMIS/OSHA criteria

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria

Fertility: Based on available data, the criteria are not met

Specific target organ toxicity (single exposure):

May cause respiratory irritation

Specific target organ toxicity (repeated exposure):

May cause damage to organs through prolonged or repeated exposure

Aspiration hazard:

Based on available data, the criteria are not met

Other information:

Not available

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

Toxicity

The product is not expected to be hazardous to the environment, but because of its high alkalinity the product may be toxic to aquatic life under certain conditions.

Persistence and degradability

Not relevant as the components are inorganic and after hardening presents no toxicity risks.

Mobility

Products is not volatile but may become airborne during handling operation.

Other adverse effects

Not determined for this product

Section 13: Disposal considerations

Safety Data Sheet

Waste treatment methods

Regional legislation (waste):

Dispose of waste and unused contents in accordance with national and local regulations.

Waste disposal recommendations:

Ensure the use of properly authorized waste management companies where appropriate or uncertain.

Section 14: Transport information

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)	SECTION 304 RQ (40 CFR Table 302.4)	SECTION 313 TRI (40 CFR 372.65)
Ordinary Portland Cement	No	No	No
Sand	No	No	No

A Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: Yes; CHRONIC: Yes; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

U.S. CERCLA Reportable Quantity (RQ):

This product is not listed under CERCLA

U.S. Clean Air Act Threshold Quantity (TQ):

This product is not listed.

U.S. Clean Water Act Requirements:

This product is not listed

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product contains crystalline silica, quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Canadian WHMIS Classification:

Safety Data Sheet

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

European Inventory of Existing Chemicals (EINECS):

All of the components of this product are included on EINECS.

Section 16: Other information

Indication of changes:

Other information:

Full text of H phrases:

STOT SE 3	Specific Target Organ Toxicity-Single Exposure, Category 3, Narcosis
STOT RE 1	Specific Target Organ Toxicity-Repeated Exposure, Category 1



NFPA health hazard: 2-Moderately toxic or hazardous material which require additional PPE or equipment other than safety goggles and gloves.

NFPA fire hazard: 0-Material is not combustible

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. Enduro Products **makes no warranty, expressed or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by Enduro Products**, except that the product shall conform to Enduro Products' specification.



ENDURO PRODUCTS

Providing Waterproofing Solutions Since 1983

Safety Data Sheet

Section 1: Identification of the Product/Company

Product Identifier:

Product Name: EKL Emulsion

Product Code:

Relevant identified uses of the substance or mixture

Recommended use:

For professional use in the construction industry

Uses advised against:

None identified

Details of the supplier of the safety data sheet

Manufacturer:

Enduro Products
1133 N. Pratt Street
Anaheim, CA 92801
United States
www.endurokote.com
(714) 526-5898

Telephone (General)

Emergency telephone number

Manufacturer: (714) 526-5898 USA

Section 2: Hazards Identification

Classification of the substance or mixture

GHS-US classification

No need for classification according to GHS criteria for this product

Label elements

GHS-US labeling

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards

No other information available



Safety Data Sheet

Unknown acute toxicity (GHS-US)

No data available

Section 3: Composition/information on ingredients

Substances

Name	Product Identifier	% by weight	GHS-US classification
Acrylic resin	Trade secret	20-60	

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.

Section 4: First aid measures

Description of necessary first aid measures

First-aid measures general:

Remove contaminated clothing

First-aid measures after inhalation:

If affected, remove to fresh air. Assist in breathing if necessary

First-aid measures after skin contact:

Immediately remove contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if symptoms of irritation or burns occur.

First-aid measures after eye contact:

Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.

First-aid measures after ingestion:

Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse out the mouth with water and give plenty of water to drink. Get medical attention immediately.

Most important and effects, both acute and delayed

Symptoms:

None expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed



Safety Data Sheet

Treat symptomatically

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder

Unsuitable extinguishing media:

None known

Special hazards arising from the substance or mixture

Fire hazard:

Poses no fire related hazard. No particular hazards known

Explosion hazard:

Non-explosive

Reactivity:

Will not facilitate or support combustion of other materials.

Advice for firefighters

Firefighting instructions:

Not required

Protection during firefighting:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Additional information

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Wear protective equipment as described under Section 8 and follow the advice of safe handling and use given under Section 7. Emergency procedures are not required.

For non-emergency personnel

Protective equipment:

Wear chemical resistance (impervious) gloves

Emergency procedures:

High risk of slipping due to spillage/leakage of product

For emergency responders

Protective equipment:

Not Applicable



ENDURO PRODUCTS

Providing Waterproofing Solutions Since 1983

Safety Data Sheet

Emergency procedures:

Not Applicable

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, etc.). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off products

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

Precautions for safe handling

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Hygiene measures:

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and house-keeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. In dusty environment, wear dust mask, protective goggles and gloves.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Store protected against freezing

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well-ventilated area, at ambient temperature directly out of the sunlight.



Safety Data Sheet

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

No occupational exposure limits known

Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation

Personal protective equipment:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear chemically resistant protective gloves

Eye protection:

Chemical goggles or safety glasses with side-shields should be worn especially in a splashing environment. Use contact lenses solely is not recommended.

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

Hands or face should be washed before breaks and at the end of and shift. Avoid contact with skin and eyes.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

Liquid

Appearance:

Watery viscosity

Color:

Milky White

Odor:

Sweet

Odor threshold:

Not available

pH:

7.5 – 9.0



Safety Data Sheet

Relative evaporation rate (butyl acetate=1):	<1 Slower
Melting point:	Not available
Boiling point:	>212 ° F
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	>18.62 mm Hg @ 20 ° C
Flash Point:	Not Applicable
Flash Point Method:	Not Applicable
Relative vapor density @ 20 ° C:	
Relative density:	1.05
Density:	lbs / gal
Solubility:	Completely miscible
Log Pow:	Not available
Log Kow:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	Not available
Explosive properties:	Non-explosive
Oxidizing properties:	None known
Explosive limits:	Not Applicable

Other information:

No further relevant information available

Section 10: Stability and reactivity

Reactivity

Corrosive effects to metal are not anticipated and not fire propagating

Chemical Stability

Product is stable under normal storage conditions

Conditions to Avoid

Avoid extreme heat and freezing conditions

Incompatible Materials

Oxidizing agents (i.e. perchlorates, nitrates etc.), and reactive metals (i.e. sodium, calcium, zinc etc.). Reaction with peroxides may result in violent decomposition with the possibility of creating an explosion.

Hazardous Decomposition Products

(From burning, heating or reaction with other materials): Carbon Monoxide and Carbon Dioxide in a fire. Irritating and toxic fumes are produced at elevated temperatures. Aldehydes are also produced.



Safety Data Sheet

Section 11: Toxicological information

Information on toxicological effects

TOXICITY MEASURES:

Primary routes of exposure:

Routes of entry are ingestion and inhalation, but may include eye or skin contact.

Acute toxicity:

Assessment of acute toxicity: Virtually non-toxic after a single ingestion. Virtually non-toxic after a single skin contact. Virtually non-toxic after inhalation. Ingestion may cause gastrointestinal disturbances.

Chronic toxicity:

No delayed chronic test data are known

Other information:

The product is considered to be harmless to health if used in the correct manner

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

Toxicity

As far as present knowledge, the product is non-toxic

Persistence and degradability

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Bioaccumulation:

Accumulation in organisms is not to be expected

Mobility

No data available

Other adverse effects

Not determined for this product

Section 13: Disposal considerations

Waste treatment methods

Regional legislation (waste):

Dispose of waste and unused contents in accordance with national and local regulations.



Safety Data Sheet

Waste disposal recommendations:

Ensure the use of properly authorized waste management companies where appropriate or uncertain.

Section 14: Transport information

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)	SECTION 304 RQ (40 CFR Table 302.4)	SECTION 313 TRI (40 CFR 372.65)
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Not considered hazardous

A Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: No; CHRONIC: Yes; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

U.S. CERCLA Reportable Quantity (RQ):

This product is not listed under CERCLA

U.S. Clean Air Act Threshold Quantity (TQ):

This product is not listed.

U.S. Clean Water Act Requirements:

This product is not listed

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product contains crystalline silica, quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Canadian WHMIS Classification:

.

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

European Inventory of Existing Chemicals (EINECS):



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Safety Data Sheet

All of the components of this product are included on EINECS.

Section 16: Other information

Indication of changes:

Other information:

Full text of H phrases:



NFPA health hazard: 1-May be irritating

NFPA fire hazard: 1-Combustible if heated

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. Enduro Products **makes no warranty, expressed or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by Enduro Products**, except that the product shall conform to Enduro Products' specification.



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Safety Data Sheet

Section 1: Identification of the Product/Company

Product Identifier:

Product Name: EKS Sealer

Product Code:

Relevant identified uses of the substance or mixture

Recommended use:

For professional use in the construction industry

Uses advised against:

None identified

Details of the supplier of the safety data sheet

Manufacturer:

Enduro Products
1133 N. Pratt Street
Anaheim, CA 92801
United States
www.endurokote.com
(714) 526-5898

Telephone (General)

Emergency telephone number

Manufacturer: (714) 526-5898 USA

Section 2: Hazards Identification

Routes of Exposure

Inhalation of vapor or mist

Eye or Skin contact with product vapor or mist

Effects of overexposure

Eyes Irritation

Skin Prolonged or repeated exposure may cause irritation

Inhalation Irritation of upper respiratory tract



Safety Data Sheet

Signs or symptoms of overexposure: Redness and itching or burning sensation may indicate eye or excessive skin exposure

Medial conditions aggravated by exposure: None generally recognized.

Section 3: Composition/information on ingredients

Reportable Components

Name	CAS Number	Wt %	
Calcium Carbonate	1317-65-3	6.32	
Titanium Dioxide	13463-67-7	<27	

Section 4: First aid measures

Description of necessary first aid measures

First-aid measures general:

Remove contaminated clothing

First-aid measures after inhalation:

If affected, remove to fresh air. Assist in breathing if necessary

First-aid measures after skin contact:

Immediately remove contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if symptoms of irritation or burns occur.

First-aid measures after eye contact:

Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.

First-aid measures after ingestion:

Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse out the mouth with water and give plenty of water to drink. Get medical attention immediately.

Most important and effects, both acute and delayed

Symptoms:

None expected due to the non-classification of the product.



Safety Data Sheet

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder

Unsuitable extinguishing media:

None known

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards

Closed containers may explode (due to build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause health hazard. Symptoms may not be immediately apparent. Obtain medical attention immediately.

Advice for firefighters

Firefighting instructions:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used fog nozzles are preferred. Water may be used to cool closed containers to prevent pressure build up and possible auto-ignition or explosion when exposed to extreme heat.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Wear protective equipment as described under Section 8 and follow the advice of safe handling and use given under Section 7. Emergency procedures are not required.

For non-emergency personnel

Protective equipment:

Wear chemical resistance (impervious) gloves

Emergency procedures:

High risk of slipping due to spillage/leakage of product

For emergency responders

Protective equipment:

Not Applicable



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Safety Data Sheet

Emergency procedures:

Not Applicable

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, etc.). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off products

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal in

Precautions for safe handling

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Hygiene measures:

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and house-keeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. In dusty environment, wear dust mask, protective goggles and gloves.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Store protected against freezing

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well-ventilated area, at ambient temperature directly out of the sunlight.



Safety Data Sheet

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

No occupational exposure limits known

Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation

Personal protective equipment:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear chemically resistant protective gloves

Eye protection:

Chemical goggles or safety glasses with side-shields should be worn especially in a splashing environment. Use contact lenses solely is not recommended.

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

Hands or face should be washed before breaks and at the end of and shift. Avoid contact with skin and eyes.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

Liquid

Appearance:

Watery viscosity

Color:

Milky White

Odor:

Sweet

Odor threshold:

Not available

pH:

7.5 – 9.0



Safety Data Sheet

Relative evaporation rate (butyl acetate=1):	<1 Slower
Melting point:	Not available
Boiling point:	>212-350
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	>18.62 mm Hg @ 20 °C
Coating V.O.C	46.63 Grams/ltr
Specific Gravity	(H2O=1.00):1.36
Vapor Density:	Greater than air
Solubility in Water	Soluble
Evaporation Rate:	Slower than Ether
Appearance and Odor	Liquid, mild odor

Section 10: Stability and reactivity

Stability: Stable

Conditions to Avoid: None Known

Incompatibility: None Known

Hazardous decomposition Products: By fire: carbon dioxide, carbon monoxide

Hazardous Polymerization: will not occur

Section 11: Toxicological information

No Data Available

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

No Data Available

Section 13: Disposal considerations

Waste treatment methods

Regional legislation (waste):

Dispose of waste and unused contents in accordance with national and local regulations.

Waste disposal recommendations:



Safety Data Sheet

Ensure the use of properly authorized waste management companies where appropriate or uncertain.

Section 14: Transport information

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is not considered under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 311. 312 of Title III of the Superfund Amendments and Reauthorization Act.

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Not considered hazardous

A Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: No; CHRONIC: Yes; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

SARA 313: See Section 3

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product contains trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16: Other information

Indication of changes:

Other information:

Full text of H phrases:



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Safety Data Sheet



NFPA health hazard: 1-May be irritating

NFPA fire hazard: 1-Combustible if heated

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

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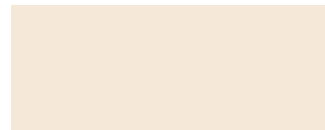
ACRYLIC COLOR SELECTOR



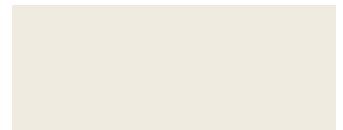
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CONCRETE GREY



ARIZONA TAN



ANTIQUE WHITE



BEIGE



LIGHT GREY



SILTSTONE



LIMESTONE



SANDY TAN



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SANDSTONE



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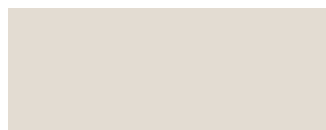


NEWPORT BLUE



ENDURO-DEK

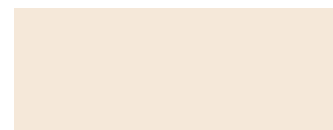
PIGMENTED CEMENTS COLOR SELECTOR



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SALTILLO



SAUTERNE



PARCHMENT



CINNAMON



LIMESTONE



SAND BEIGE



COPPER BEECH



SLATE GREY

Colors shown may vary. They approximate actual colors as accurately as possible. Custom colors available.

ENDURO PRODUCTS



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