

# eF-COAT™ Elastomeric Foundation Coating

eF-Coat is a proprietary blend of latex acrylics formulated to provide an elastomeric, resilient, stucco-like finish for foundations with superior weathering characteristics.



## USES

eF-Coat is designed as an above grade elastomeric coating for foundations. It can be used over a variety of substrates including concrete block, poured concrete, ICF's and stone foundations.

## ADVANTAGES

- **Flexible**  
Forms a continuous and seamless coating.
- **Textured Appearance**  
Can be troweled or sprayed in a variety of finishes.
- **Water Resistant**  
Withstands wind-driven rain, salt spray and most chemicals.
- **Superior Adhesion**  
Adheres tightly to the surface without tearing or pulling away.
- **Seals Tightly**  
Prevents air and water intrusion.
- **Low Maintenance**  
Low maintenance requirements.  
Easy clean up.
- **Excellent Paintable Surface**  
Provides an excellent paintable surface for acrylic latex paints.
- **Non-Toxic**  
Safe for both interior and exterior use and has no odor when cured.
- **Resists Mold & Mildew**  
Breathable finish with added fungicides.

## TECHNICAL INFORMATION

### Available Colors

eF-Coat is available in a variety of earth-tone colors. The standard colors are: Arctic White, Sandalwood, Desert Sunrise, Sandstone, Southern Gray, Smoke Gray, Mountain Gray, Sierra Tan, Palomino Beige and Hawaiian Sand. Custom colors are also available.

### Texture

Medium. Secondary textures applied over the base coat include skip trowel, knock down and quartzputz.

### Recommended Thickness

60-80 mils. (Approximately 1/16"-3/32").

### Physical Properties

<b>Composition</b>	Textured Acrylic Latex
<b>Viscosity</b>	Trowel Grade
<b>Density</b>	9.6 ± .1 lbs./gal.
<b>Specific Gravity</b>	1.16
<b>pH</b>	8.5
<b>VOC</b>	30 g/l
<b>% Solids</b>	70%
<b>Elongation</b>	15%
<b>Temperature Range</b>	-40°F. to 250°F.
<b>Odor</b>	Odorless When Dry
<b>Toxicity</b>	Non-Toxic
<b>Shelf Life</b>	2 Years
<b>Stability</b>	Salt Spray Stable

### Coverage

eF-Coat will cover approximately 90 to 130 square feet per 5 gallon pail at the recommended thickness of 60-80 mils.

### Dry Time

eF-Coat will be tack free in 1 hour and completely cured within 72 hours depending on weather conditions, composition and/or porosity of the substrate and thickness of the material.

### Packaging

eF-Coat is available in 5 gallon and 1 gallon pails.

### Storage

eF-Coat must be protected from freezing and stored in temperatures that do not exceed 90°F. Opened containers may be stored by floating a thin film of water (1/16") on the surface of the material, covering it with plastic, and tightly relidding the container. Store out of direct sunlight.

### Clean Up

Immediately clean up uncured eF-Coat from tools, hands and equipment with soap and water. Do not allow material to dry on tools, equipment or clothing. If the material is allowed to dry, it may need to be removed with solvent.



**Manufacturing Facility: Sealants & Coatings Technologies**

106 Industrial Way | Charlestown, IN 47111

800-899-3301 | Fax: 812-256-2344 | [www.palladiumsct.com](http://www.palladiumsct.com)



## APPLICATION GUIDELINES

### READ AND FOLLOW ALL LABEL INSTRUCTIONS PRIOR TO APPLICATION OF THIS PRODUCT.

#### Surface Preparation

The foundation surface must be structurally sound, solid, clean and dry. eF-Coat™ should not be applied to loose, crumbly, chalky concrete or smooth plastic surfaces. The surface must also be completely free of any oil, solvent, asphalt impregnated materials or oil-based finishes of any kind.

**One coat of SCT Sealing Primer must be applied to bare concrete surfaces prior to the application of eF-Coat.** When applying eF-Coat over concrete block, any struck joints must be floated out with thin-set mortar and all surfaces coated with SCT Sealing Primer. **Self adhesive mesh must be used on insulated concrete forms (ICF).** On ICF, all surfaces must be rasped to level out any surface irregularities prior to the application of eF-Coat.

#### Application Method

eF-Coat can be applied by trowel or sprayed directly onto the substrate. Material should be applied and troweled to a thickness of 1/16" to 3/32" (60 to 80 mils) in a uniform coat. If a texture is desired, allow the first coat to cure prior to application of the texture coat. Troweled and sprayed textures include: skip trowel, light or heavy knockdown, orange-peel or quartzputz. If applying over self-adhesive mesh, all mesh must be covered over completely with material so that no mesh shows through the finish coat. If bubbles exist in the mesh, simply slit the material with a utility knife and trowel it smooth.

**NOTE: eF-Coat is not to be applied on below grade applications.**

#### Application Temperature

eF-Coat should be applied when ambient temperatures range between 40°F. and 90°F. and when relative humidity does not exceed 90%.

**NOTE: Do not attempt to apply product if freezing temperatures are expected within 72 hours. Do not apply product during rain or when rain is imminent. If rain or other inclement weather is expected within 72 hours after material has been applied, plastic sheeting should be used to protect freshly applied coating.**

## MAINTENANCE

No particular maintenance is required. However, should any cracks or separations occur because of excessive substrate movement or other unusual circumstances, simply apply material into cracks or separations and texture as appropriate. eF-Coat may also be lightly hosed down to remove dust and dirt.

## AVAILABILITY/SUPPORT

Sealants & Coatings Technologies, Inc. products are available from the manufacturing plant located in southern Indiana, as well as a global network of distribution partners.

Sealants & Coatings Technologies, Inc. will gladly provide technical support upon request.

## LIMITED WARRANTY

#### Warranty Statement:

eF-Coat is warranted for a period of five (5) years from the date of application.

#### Exceptions:

This warranty does not cover failures due to the following:

- Fire, flood, natural disaster or any other act of God.
- Improper storage, handling or installation.
- Plumbing leaks, faulty construction or house settling which exceeds the material elasticity.
- Improper roof, chimney or wall penetration construction or flashing that allows water to get behind the eF - Coat.
- Substitution of any unauthorized materials.
- Unauthorized "field modification" of any of the supplied products.
- Damage caused by riots, strikes, or any act of war, terrorism, or other criminal or civil disturbance.

#### Claims Notification:

Notification of claims must be made in writing to Sealants & Coatings Technologies, Inc. upon discovery of areas of concern. If eF-Coat is proved to have failed during the warranty period, Sealants & Coatings Technologies, Inc. will replace the failed material FOB its nearest distribution point. Sealants & Coatings Technologies, Inc. reserves the right to inspect the jobsite by an authorized representative prior to settlement of any claims.

Sealants & Coatings Technologies, Inc. sole and complete responsibility for proved material failure is as set forth in this warranty. Sealants & Coatings Technologies, Inc. will not be held responsible for incidental, indirect or consequential damages including reinstallation labor. The user is solely responsible for determining the suitability of this product for its intended use prior to application. User assumes all risk and liability in connection therewith. Questions regarding this warranty should be directed to the nearest Sealants & Coatings Technologies, Inc. representative.

# Safety Data Sheet

## eF-Coat Elastomeric Foundation Coating 2011

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Effective Date: January 8, 2017



### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Name of Product:** eF-Coat Elastomeric Foundation Coating

**Product Code:** 2011

**Other Means of Identification:** White Liquid

**Recommended Use:** Coating

**Supplier Information:**

**Company:** Sealants & Coatings Technologies, Inc.  
106 Industrial Way  
Charlestown, IN 47111

**Company Phone Number:** 800-899-3301 (8:00 a.m. - 4:30 p.m. EST)

**Emergency Phone Number:** 812-256-3767

### 2. HAZARDS IDENTIFICATION

#### GHS Classifications

HAZARD	CATEGORY	SIGNAL WORD	HAZARD STATEMENT	SYMBOL
Physical Hazards	None, not flammable	None	None	None
Health Hazards Acute Toxicity	5	Warning	H303, May be harmful if swallowed	None
Skin Corrosion/ Irritation	2	Warning	H315, Causes skin irritation	Exclamation Mark
Eye Irritation	2A	Warning	H319, Causes serious eye irritation	Exclamation Mark
Aspiration Hazard	1	Danger	H304, May be fatal if swallowed and enters airways	Health Hazard
Carcinogenicity	1A	Danger	H305i, May cause cancer by inhalation	Health Hazard

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## 2. HAZARDS IDENTIFICATION, continued

**Emergency Overview:** Warning! Contains petroleum distillates which can solubilize skin oils, causing dry skin and eventually dermatitis with repeated exposure. Contains crystalline silica which can cause silicosis and lung cancer when inhaled.

**Route of Entry:** Inhalation: yes. Skin: yes. Ingestion: yes. Eyes: yes.

**Carcinogenicity:** NTP: yes. IARC: yes. OSHA: yes.

**Reproductive Toxicity:** No reproductive toxicants over 1% in formula.

**Specific Target Organ Systemic Toxicity (TOST):** Single Exposure: Irritating to the skin and eyes and respiratory tract. Prolonged exposure will affect the nervous system, causing nervous system depression. Causes damage to lungs through prolonged or repeated exposure by inhalation.

**Effects of Exposure: Acute:**

**Eye:** H319: Causes serious eye irritation.

**Skin:** Category 2. Causes skin irritation. Reversible adverse effects in dermal tissue within the observation period, usually 14 days.

**Inhalation:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High concentrations may result in narcosis (central nervous system depression). Intentional inhalation in concentrated form (huffing) may lead to brain damage and death.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting, and effects of overexposure.

**Signs and Symptoms of Overexposure:**

**Health Hazard:** Diarrhea. Dermatitis.

**Medical Conditions Aggravated by Exposure:** Asthma.

### LABELING:

**Product Identifier:** eF-Coat Elastomeric Foundation Coating

**Signal Word:** Danger

**Hazard Statements:** H304, may be fatal if swallowed and enters airways. H315, causes skin irritation. H319, causes serious eye irritation. H350i, may cause cancer by inhalation.

**Causes Skin and Eye Irritation.** Do not breathe vapors or mist. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### FIRST AID:

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothes before reuse. Get medical attention if irritation develops and persists.

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## 2. HAZARDS IDENTIFICATION, continued

**Company Name:** Sealants & Coatings Technologies, Inc.

**Address:** 106 Industrial Way  
Charlestown, IN 47111

**Phone Number:** 800-899-3301

**HAZARDS:** (Liquid) Serious skin and eye irritant.

**Pictograms on the label:**



**WARNING:** May cause damage to central nervous system through prolonged or repeated inhalation.

**WARNING:** May cause respiratory irritation when inhaled.

**Hazard Statements:**

**H304** May be fatal if swallowed and enters airways.

**H315** Causes skin irritation.

**H319** Causes serious eye irritation.

**H350i** May cause cancer by inhalation.

**Precautionary Statements:**

**P261** Avoid breathing dust/fume/gas/mist/vapors/spray.

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

## 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS#	Percent w/w	OSHA PEL
Propylene Glycol	57-56-6	<2	Not Established
Microcrystalline Silica in the form of Quartz	14808-60-7	<3	10mg/m <sup>3</sup> /%Silica+2
Titanium Dioxide	13463-67-7	<15	15mg/3mg, total dust 8hr TWA
Chlorothalonil	1897-45-6	<0.5	Not found

TWA = Time Weighted Average

Note: Further safety information can be found in subsequent sections.

# Safety Data Sheet – eF-Coat Elastomeric Foundation Coating 2011

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## 4. FIRST AID MEASURES

**General Information:** Discard contaminated clothing immediately.

**Eye:** Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.

**Skin:** Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

**Inhalation:** Remove to fresh air. Apply artificial respiration/administer oxygen if necessary. Call physician immediately. If person is unconscious, transport affected person in reclined position.

**Ingestion:** Keep person warm and quiet. Get immediate medical attention. Do not induce vomiting. Never give anything orally to an unconscious person. Drink several glasses of water to dilute the product in the stomach.

## 5. FIRE FIGHTING MEASURES

**Flammability Summary (OSHA):** Not Flammable (Waterborne)

**Flash Point Method:** Setaflash.

**Flash Point:** Greater than 200°F (93°C) (Setaflash)

**Upper Flammable/Explosive Limit, % in air:** Not Found

**Lower Flammable/Explosive Limit, % in air:** Not Found

When dry the product can be made to burn:

**Upper Flammable/Explosive Limit, % in air:** NA

**Lower Flammable/Explosive Limit, % in air:** NA

**Unusual Fire/Explosion Hazards:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to fire due to pressure buildup.

**Extinguishing Media:** Use water fog, foam, carbon dioxide or chemical fire fighting apparatus.

**Fire Fighting Instructions:** Product is not flammable. In case of fire in the area of product, wear NIOSH/MSHA approved SCBA and full protective equipment. Do not use full pressure water jet. Water spray may be used for cooling containers to prevent possible build up and auto ignition/explosion when exposed. Guard against toxic gases released by fire. If safe, remove containers from fire zone.

**Products of Combustion:** Carbon Dioxide, Carbon Monoxide, Water Vapor.

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## 6. ACCIDENTAL RELEASE MEASURES

**Large Spills:** Dyke the spill with barriers to prevent it from spreading. Pump or scoop into containers.

**Small Spills:** Use a mop and wash the residue with soap and water to keep slipping from happening.

**Waste Disposal Methods:** Waste material must be disposed of in accordance with federal, state and local environment regulatory controls.

## 7. HANDLING AND STORAGE

**Handling:** Use drum trucks and pallet jacks to move drums and cans.

**Drums:** Protect against physical damage.

**Bulk:** Storage should be in standard lidded storage tanks.

**Other Precautions:** Clean up spills quickly to prevent slipping on the wet surface.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory Protection:** Use NIOSH/MSHA approved self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits use NIOSH/MSHA approved vapor respirator or an airline respirator with escape bottle provisions. This product is not expected to produce high concentrations of vapors in the air. When in doubt, test the atmosphere during working conditions.

**Ventilation:** Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Exhaust air may need to be cleaned by scrubbers.

**Protective Gloves:** Chemical resistant gloves.

**Eye Protection:** Chemical workers' goggles.

**Other Protective Equipment:** Splash shield if process splashes material excessively.

**Eye Bath and Safety Shower:** To prevent repeated or prolonged skin contact wear impervious clothing and boots.

**Work Hygiene Practices:** Wash hands and clothing after exposure.

**Supplemental Safety and Health:** First aid procedures: Vomit can cause chemical pneumonia which can be fatal.

**Ventilation:** Filters to reduce environmental contamination.

**Effects of Overexposure:** Irritating to respiratory system. Mild, reversible liver effects, liver abnormalities.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION, continued

### Exposure Limits:

Hazardous Ingredients	CAS#	Percent w/w	OSHA PEL
Propylene Glycol	57-56-6	<2	Not Established
Microcrystalline Silica in the form of Quartz	14808-60-7	<3	10mg/m <sup>3</sup> /%Silica+2
Titanium Dioxide	13463-67-7	<15	15mg/3mg, total dust 8hr TWA
Chlorothalonil	1897-45-6	<0.5	Not found

TWA = Time Weighted Average

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Odor Threshold:** Not available.

**pH Value:** 8.5 to 9.4.

**Melting Point:** Not available.

**Evaporation Rate:** Slower than ether.

**Freezing Point:** Not available.

**Initial Boiling Point:** 100°C (212°F)

**Auto Ignition Temperature:** 395°C (743°F).

**Bulk Density:** Approximately 9.55 pounds per gallon.

**Flash Point:** >200°F PMCC.

**Upper Explosion Limit:** Not established.

**Lower Explosion Limit:** Not established.

**Solubility in Water:** Miscible

**Specific Gravity:** 1.15 @20C(68F).

**Weight per Gallon:** 9.55 +/- 0.15 pounds

**VOC:** 0.36 pounds per gallon less water (43 g/l)



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## 10. STABILITY AND REACTIVITY

**Stability and Reactivity Summary:** Stable under normal conditions.

**Reactive Properties:** Strong acids and bases will attack the polymer.

**Sensitivity to Mechanical Shock:** None.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Do not heat closed containers.

**Chemical Incompatibility:** Strong oxidizing agents.

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>.

## 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS#	Percent w/w	LD50 (Oral Rat) g/kg
Propylene Glycol	57-56-6	<2	Not Established
Microcrystalline Silica in the form of Quartz	14808-60-7	<3	>22,500
Titanium Dioxide	13463-67-7	<15	>10,000
Chlorothalonil	1897-45-6	<0.5	Not found

## 12. ECOLOGICAL INFORMATION

Hazardous Ingredients	CAS#	Percent w/w	Fish LCo (Leuciscus idus) 48hr:
Propylene Glycol	57-56-6	<2	Not Established
Microcrystalline Silica in the form of Quartz	14808-60-7	<3	LC50 carp >10,000 mg/l/72h
Titanium Dioxide	13463-67-7	<15	>1000 mg/l
Chlorothalonil	1897-45-6	<0.5	LC50 (rainbow trout Donaldson trout) Oncorhynchus mhykiss: 0.042mg/l, 96h

**Environmental Toxicity:** Some parts are not persistent in the environment. Ecotoxicity Classification criteria is between 1 and 100 for some of the ingredients. Most of the ingredients are carbon based and are eventually degraded by bacteria when placed in water or soil.

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Effective Date: January 8, 2017

## 13. DISPOSAL CONSIDERATIONS

Care must be taken to avoid environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws.

**Waste Disposal Summary:** Dispose as a hazardous chemical.

**Disposal Methods:** Dispose of in accordance with local, state and federal regulations. Incineration is preferred.

## 14. TRANSPORT INFORMATION

**US Ground (DOT):** Not regulated for transportation.

**Canada (TDG):** Not regulated for transportation.

**IMO:** Not regulated for transportation.

**IATA/ICAO:** Not regulated for transportation.

## 15. REGULATORY INFORMATION

### UNITED STATES:

**Toxic Substances Control Act (TSCA):** The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

**Sections 311/312 Hazard Categories:** (40 CFR 370.2)

**Immediate/Acute Health Hazard:** Yes.

**Delayed/Chronic Health Hazard:** Yes.

**Fire Hazard:** No.

**Pressure Hazard:** No.

**Reactivity Hazard:** No.

**Superfund Amendments and Reauthorization Act (SARA) Title III: SARA 313 Components:**  
Chlorothalonil, CAS 1897-45-6, <0.25% wt

# Safety Data Sheet – eF-Coat Elastomeric Foundation Coating 2011

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

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## 15. REGULATORY INFORMATION, continued

### FEDERAL AND STATE REGULATIONS:

**California Prop 65:** Warning! The following chemicals have been determined by the State of California to cause cancer in laboratory animals and are available in trace amounts in this product:

Chemical	CAS Number	Notes
Formaldehyde	50-00-0	<0.10% wt
2-Propenenitrile	107-13-1	Trace
2-Propenoic acid, ethyl ester	140-88-5	Trace
Chlorothalonil	1897-45-6	<0.25% wt
Quartz crystalline silica	14808-60-7	<3% wt
Titanium Dioxide (unbound)	13463-67-7	<15% wt, product binds the Titanium Dioxide with polymer chains and it is not available to the worker unless it is sanded, releasing free, unbound TiO <sub>2</sub> .
Benzene, ethyl	100-41-4	Trace

**California Prop 65:** Warning! The following chemicals have been determined by the State of California to cause birth defects in laboratory animals and are available in trace amounts in this product:

Chemical	CAS Number	Notes
Benzene, ethyl	100-41-4	Trace

**CERCLA Reportable Quantities:** None

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** A

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

# Safety Data Sheet – eF-Coat Elastomeric Foundation Coating 2011

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Effective Date: January 8, 2017

## 16. OTHER INFORMATION

This information should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing the sustainability of a product for your particular purpose prior to its use. No warranties of any kind neither express nor implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, information, data and designs furnished by SEALANTS & COATINGS TECHNOLOGIES, INC. hereunder are given gratis and SEALANTS & COATINGS TECHNOLOGIES, INC. assumes no obligation or liability for the description, information, data and designs given or results obtained, all such being given and accepted at your risk. We believe this information to be reliable and up to date as of its publication date, but make no warranty that it is. If this SDS is more than one year old you should contact SEALANTS & COATINGS TECHNOLOGIES, INC. to make sure the information is still current.

Prepared by V.C. Bud Jenkins, BS, MBA, JD, CHMM, CHWP  
Coatings Scientist Consulting Services, [www.coatingsscience.com](http://www.coatingsscience.com)