

Fin-Pan Inc.  
 PF CURBS  
 PREFORMED UNDERLAYMENT COMPONENTS  
**MATERIAL SAFETY DATA SHEET**

The PreForm Curb is composite of 2lb density EPS expanded polystyrene foam insulation, as a base material. The entire assembly is lined with fiberglass. A finish coat of latex-modified, cementitious coating is then applied. This MSDS will be treated as a three-part document covering: (A) the expanded polystyrene foam thermal insulation, (B) the fiberglass mesh and (C) Cement Slurry.

**(A) EXPANDED POLYSTYRENE THERMAL INSULATION**

**1. Product and Company Identification:**

*Product Name:* Expanded Polystyrene Foam  
*Manufacturer:* FPM; Lancaster, OH (740) 687-5934

**2. Composition/Information on Ingredients:**

<u>Chemical Name</u>	<u>TLV</u>	<u>PEL</u>	<u>CAS</u>
Chemical Name			CAS Number
Polystyrene.....			009003-53-6
Flame Retardant Additive			

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**3. Physical and Chemical Properties:**

Boiling Point.....	Not Applicable
Melting Point .....	180°F
Percent Volatiles.....	<4% (pentane and water)
Vapor Pressure.....	500
Vapor Density .....	Not Applicable
Evaporation Rate .....	None
Solubility in water.....	Insoluble
Specific Gravity/Density .....	2.0 pcf to 3.0 pcf
Appearance .....	White Panels
Odor .....	Slight Hydrocarbon Odor
pH.....	Not Applicable
Physical State.....	Solid

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**4. Fire and Explosion Hazard Data:**

Flash Point .....650°F Min.  
Method Used.....ASTM D 1929  
Flammable Limits LFL.....Not Applicable  
Flammable Limits UFL.....Not Applicable  
Extinguishing Media.....Water Fog, Carbon Dioxide,  
.....Dry Chemical, Foam

***Hazardous Combustion Products:* Not Applicable**

*Fire-fighting Instructions:* Keep people away. Isolate fire area and deny unnecessary entry. If material is molten, do not apply direct water stream. Use fine water spray or foam. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone.

*Protective Fire-fighting Equipment:* Use approved self-contained breathing apparatus (SCBA) and personal protective clothing (turn out gear)

**5. Reactivity Data:**

*Stability:* This is a stable material, avoid sources of ignition

*Incompatibility with Other Materials:* Reactive with oxidizing agents. Organic solvents, esters, amines and aldehydes will dissolve product. High temperature, poor ventilation with freshly expanded product may create hazardous, explosive or fire conditions.

*Hazardous Decomposition Products:* Does not normally decompose. Evolution of small amounts of hydrogen halides occurs when heated above 250°C. Under high heat, non-flaming conditions, small amounts of aromatic hydrocarbons such as styrene and ethyl benzene are generated. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include and are not limited to ethyl benzene, aromatic compounds, aldehydes, hydrogen bromide, hydrogen chloride, hydrogen fluoride, polymer fragments, and styrene.

*Hazardous Polymerization:* Will not occur

**6. Health Hazard Data:**

*Eye:* Dust particles may cause eye irritation and/or injury

*Skin Contact:* None. May produce slight irritation in a few individuals

*Ingestion:* Biologically inert. May act as an obstruction if swallowed.

*Inhalation:* Little or no smell. May cause dizziness in a few individuals.

*Systemic (Other Target Organ) Effects:* None.

*Cancer Information:* None.

*Teratology (Birth Defects):* None.

*Reproductive Effects:* None.

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**7. First Aid:**

*Eyes:* Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

*Skin:* Wash with mild soap and running water. Remove and launder contaminated clothing before reuse. Seek medical attention if irritation persists.

*Ingestion:* Ingestion of this material is unlikely. If it does occur, do not induce vomiting, seek medical attention.

*Inhalation:* Move person to fresh air. Seek medical attention if irritation persists

*Note to Physician:*

**8. Handling and Storage:**

*Handling:* Use protective equipment (gloves, safety glasses, etc.) when handling uncontained material. Avoid breathing dusts from this material.

*Storage:* Store in a well ventilated area. Avoid direct exposure to very high heat, open flame or other source of ignition.

**9. Accidental Release Measures:** (See Section NUM for Regulatory Information)

*Protect People:* Clear non-emergency personnel from area. Use appropriate safety equipment. For additional information, refer to Section 10, Exposure Controls/Personal Protection.

*Protect the Environment:* Fire/water run off may be toxic.

*Cleanup:* Pick up, or if dust or in small pieces, sweep up and place in suitable container for disposal. See Section 11, Disposal Considerations.

**10. Exposure Controls/Personal Protection:**

*Engineering Controls:* Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

*Respiratory Protection:* Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, including but not limited to saw, router, or hot wire cutting, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator.

*Skin Protection:* No precaution other than clean body-covering clothing should be needed.

*Eye Protection:* Use Safety Glasses. If there is a potential for exposure to particles, which could cause mechanical injury to the eye, wear chemical goggles.

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**11. Ecological Information:**

*Eco-toxicity:* This product has not been tested. Based on information related to all raw materials in the finished product, it is not expected to harm the ecosystem through its applied use.

**12. Disposal Considerations:** (See Section NUM for Regulatory Information)

*Disposal:*

*For unused & uncontaminated product,* THE MANUFACTURER can provide names of information resources to help identify waste management companies and other facilities, which recycle, reprocess or manage PRODUCT TYPES. Call MANUFACTURER at PHONE for further details.

**13. Transportation Information:**

*Department of Transportation (DOT):* This product is not regulated by the D.O.T. when shipped domestically by land.

*Canadian TDG Information:* This product is not regulated by the T.D.G. when shipped domestically by land.

**14. Regulatory Information:** (Not meant to be all-inclusive - selected regulations represented)

*NOTICE:* The information contained herein is based on data considered to be accurate. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State/Provincial, and local laws. While the information is believed to be reliable, NO Warranty, expressed or implied, is given in regards to the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, it is the user's obligation to determine the conditions of safe use of the product. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. Regulations

*SARA 313 Information:* This product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
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None

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*SARA Hazard Category:* This product has been reviewed according to the EPA "Hazard Categories" promulgated under sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA, Title III) and is considered, under applicable definitions, to meet the following categories:

*State Right-to-Know:* The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

<b>Chemical Name</b>	<b>CAS Number</b>	<b>List</b>
None		

*OSHA Hazard Communication Standard:* This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

*Canadian Regulations*

*WHMIS Information:* The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This Product is not a "Controlled Product" under WHMIS.

*Canadian Environmental Protection Act (CEPA):* All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

**15. Other Information:**

*National Fire Protection Association (NFPA) Ratings:*

Health.....0  
Flammability.....2  
Reactivity.....0

*HMIS Ratings:*

Health.....0  
Flammability.....2  
Reactivity.....0

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**(B) PHIFERGLASS WALLBOARD FABRIC (FIBERGLASS YARN)**

**1. Product and Company Identification:**

*Product Name:* Phiferglass Wallboard Fabric

*Manufacturer:* Phifer Wire Products, Inc., Tuscaloosa, AL 35403 (800-633-5955)

*Emergency Contact:* 205-345-2120

**2. Composition/Information on Ingredients:**

<u>Chemical Name</u>	<u>WT%</u>	<u>TLV (mg/m<sup>3</sup>)</u>	<u>PEL (mg/m<sup>3</sup>)</u>	<u>CAS Number</u>
Fiberglass core Yarn	28-35	(NR)	(NR)	65997-17-3
Vinyl Coating	(P)	(NE)	(NE)	(P)
(T) - Total (NR) - No Restriction (NE) - Not Established (P) - Proprietary				

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**3. Physical and Chemical Properties:**

Boiling Point .....Not Applicable  
 Freezing Point .....Not Applicable  
 Percent Volatiles.....Not Applicable  
 Vapor Pressure.....Not Available  
 Vapor Density .....Not Available  
 Packing Density .....Not Applicable  
 Evaporation Rate .....Not Applicable  
 Solubility in water .....Insoluble  
 Specific Gravity/Density.....Not Available  
 Appearance.....Vinyl-coated Mesh  
 Odor .....New Vinyl  
 pH.....Not Applicable  
 Physical State.....Solid

**4. Fire and Explosion Hazard Data:**

Flash Point .....>200°F  
 Flammable Limits LFL .....Not Applicable  
 Flammable Limits UFL .....Not Applicable  
 Extinguishing Media .....Foam, Dry Chemical, Carbon Dioxide, Water Fog  
*Hazardous Combustion Products:* Smoke and fumes.

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**4. Fire and Explosion Hazard Data (continued):**

*Fire-fighting Instructions:* Material will not burn in the absence of an independent flame source.

*Protective Fire-fighting Equipment:* Wear respirator or air mask for enclosed areas.

**5. Reactivity Data:**

*Stability:* This product is stable.

*Incompatibility with Other Materials:* Strong oxidizing agents.

*Hazardous Decomposition Products:* None.

*Hazardous Polymerization:* Will not occur.

**6. Health Hazard Data:**

*Overview:* Multifilament yarn coated with vinyl of various colors. Coated yarn may be woven into various meshes and have an odor of new vinyl.

*Eye:* No evidence of harmful effects anticipated from available information.

*Skin Contact:* Fibers in core yarn may irritate skin.

*Ingestion:* Consult physician.

*Inhalation:* Short-term harmful health effects are not expected from vapor generated during normal use with adequate ventilation at ambient temperature.

*Systemic (Other Target Organ) Effects:* No data available.

*Cancer Information:* No data available.

*Teratology (Birth Defects):* No data available.

*Reproductive Effects:* No data available.

**7. First Aid:**

*Eyes:* Flush eye with plenty of flowing water (eye fountain).

*Skin:* Frequent rinsing of skin surfaces with water to remove accumulated fibers will minimize irritation. If pain, allergy or reaction persists, get medical attention.

*Ingestion:* No emergency care anticipated. Get medical attention if necessary.

*Inhalation:* Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.

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**8. Handling and Storage:**

*Handling:* Keep material clean and dry and away from heat.

*Storage:* Store at an ambient temperature under normal atmospheric pressure.

**9. Accidental Release Measures:** (See Section 15 for Regulatory Information)

*Containment Procedures:* Due to the physical nature of this product, spills are not possible.

*Evacuation Procedures:* None.

*Cleanup Procedures:* Normal clean up methods.

*Special Procedures:* None.

**10. Exposure Controls/Personal Protection:**

*Engineering Controls:* General (mechanical) room ventilation is expected to be satisfactory.

*Respiratory Protection:* Generally not required.

*Skin Protection:* Generally not required.

*Eye Protection:* Generally not required.

**11. Toxicological Information:**

*Mutagenicity:* Toxicological data is not available.

**12. Ecological Information:**

*Movement & Partitioning:* No data available.

*Degradation & Persistence:* No data available.

*Ecotoxicity:* No data available.

**13. Disposal Considerations:** (See Section 15 for Regulatory Information)

*Disposal:* If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. As non-hazardous waste it should be disposed of in accordance with local, state and federal regulations.

For additional information, refer to Section 8, Handling & Storage Information.

**14. Transportation Information:**

*Department of Transportation (DOT):* This product is not regulated by the DOT when shipped domestically by land.



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**15. Regulatory Information:** (Not meant to be all-inclusive - selected regulations represented)

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*U.S. Regulations:*

*Sara Title III (Superfund Amendments and Reauthorization Act):*

*313/312 Hazard Categories:* None.

*313 Reportable Ingredients:* None.

*TSCA (Toxic Substance Control Act):* Components of this product are listed on the TSCA Inventory List.

*CERCLA (Comprehensive Response Compensation and Liability Act):* Not reportable.

**16. Other Information:**

*National Fire Protection Association (NFPA) Ratings:*

Health.....Not Available

Flammability.....Not Available

Reactivity.....Not Available

*HMS Ratings:*

Health.....Not Available

Flammability.....Not Available

Reactivity.....Not Available

Personal Protection.....Not Available

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**C.) CEMENT SLURRY COATING**

**1. Product and Company Identification:**

*Product Name:* Cement Slurry Coating  
*Manufacturer:* Fin Pan, Inc., Hamilton, Ohio 45015  
 Emergency Contact: 800-833-6444

**2. Composition/Information on Ingredients:**

<b>Chemical Name</b>	<b>WT%</b>	<b>TLV (mg/m<sup>3</sup>)</b>	<b>PEL (mg/m<sup>3</sup>)</b>	<b>CAS Number</b>
Portland Cement	60-70	10	5 (R)/15 (T)	65997-15-1
Crystalline Silica, respirable dust	<0.3	0.1	10 (R)/30 (T)	14808-60-7
Copolymer Binder	10-15	(NE)	(NE)	(NE)
Potable Water	20-30	(NE)	(NE)	7732-18-5

(T) - Total                      (R) - Respirable                      (NE) - Not Established      (P) - Proprietary

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**3. Physical and Chemical Properties:**

Boiling Point.....Not Applicable  
 Melting Point.....Not Applicable  
 Percent Volatile .....Not Applicable  
 Vapor Pressure .....Not Applicable  
 Vapor Density.....Not Applicable  
 Evaporation Rate.....Not Applicable  
 Solubility in water.....Insoluble  
 Specific Gravity/Density .....Not Applicable  
 Appearance .....Hard gray board  
 Odor .....Slight cement odor  
 Physical State .....Stable solid

**4. Fire and Explosion Hazard Data:**

Flash Point.....Not Applicable  
 Flammable Limits LFL.....None  
 Flammable Limits UFL.....None  
 Extinguishing Media.....Water spray, dry chemical, or carbon dioxide

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**4. Fire and Explosion Hazard Data (continued):**

*Hazardous Combustion Products:* None known.

*Fire-fighting Instructions:* Use appropriate extinguishing media for surrounding fire.

*Protective Fire-fighting Equipment:* No special equipment is necessary.

**5. Reactivity Data:**

*Stability:* Thermally stable at typical use temperatures.

*Incompatibility with Other Materials:* Avoid contact with strong acids.

*Hazardous Decomposition Products:* Gases from strong acid degradation.

*Hazardous Polymerization:* Will not occur.

**6. Health Hazard Data:**

*Eye:* Due to alkali in the cement, contact with eyes will cause irritation and possible corrosion damage, burning and corneal edema. Particles will also cause mechanical irritation.

*Skin Contact:* Abrasion and skin irritation may occur due to alkali in the cement.

*Ingestion:* If ingested, caustic burns may occur in the mouth, esophagus or stomach. May be corrosive to the digestive tract.

*Inhalation:* Excessive exposure to dust may result in irritation of nose, throat and lungs.

*Systemic (Other Target Organ) Effects:* None known.

*Cancer Information:* Chronic exposure to dust containing silica (Quartz Crystobalite and Tridymite) can cause delayed lung injury (Silicosis) or cancer. Inhalation of Crystalline Silica may contribute to pre-existing pulmonary diseases, such as asthma and lung disorders associated with the smoking of tobacco.

*Teratology (Birth Defects):* None known.

*Reproductive Effects:* None known.

**7. First Aid:**

*Eyes:* Immediately flush eye, including under lids, thoroughly with water for 15 minutes to remove all particles. If irritation persists, consult physician.

*Skin:* Wash thoroughly with soap and water. If irritation remains, seek medical attention. If cement penetrates the clothing, promptly remove the clothing and wash skin. Wash clothing before wearing again.

*Ingestion:* Seek medical attention immediately. The use of diluents is controversial and neutralization is contraindicated.

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**7. First Aid (continued):**

*Inhalation:* Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside.

**8. Handling and Storage:**

*Handling:* Maintain good housekeeping.

*Storage:* Keep clean, dry and flat.

**9. Accidental Release Measures:**

*Containment Procedures:* Due to the physical nature of this product, spills are not possible.

*Evacuation Procedures:* None.

*Cleanup Procedures:* Normal clean up methods.

*Special Procedures:* None.

**10. Exposure Controls/Personal Protection:**

*Respiratory Protection:* If product is cut with a power saw, the saw must be equipped with a dust collector and wear a NIOSH/MSHA-approved respirator if the dust level in the work area is above the TLV or PEL. Provide general mechanical ventilation and local exhaust to meet TLV requirements. Hand score and snap to avoid creating excess dust.

*Skin Protection:* Wear gloves and work clothing or apron.

*Eye Protection:* Wear safety glasses or goggles with shields while cutting. Contact lenses should not be worn when working with Portland cement.

**11. Toxicological Information:**

*Mutagenicity:* None known.

**12. Ecological Information:**

*Movement & Partitioning:* No bioconcentration is expected.

*Degradation & Persistence:* No appreciable biodegradation or photodegradation is expected.

*Ecotoxicity:* When handled and disposed of properly, this product does not present an environmental threat.

**13. Disposal Considerations:**

*Disposal:* Dispose of waste in accordance with Federal, State and Local regulations.

*For unused & uncontaminated product, pickup and reuse clean material.*

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**14. Transportation Information:**

*Department of Transportation (DOT):* This product is not regulated by the D.O.T. when shipped domestically by land.

*Canadian TDG Information:* This product is not regulated by the T.D.G. when shipped domestically by land.

**15. Regulatory Information:** (Not meant to be all-inclusive)

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**16. Other Information:**

*National Fire Protection Association (NFPA) Ratings:*

Health..... 1  
Flammability..... 0  
Reactivity..... 0

*HMS Ratings:*

Health..... 1  
Flammability..... 0  
Reactivity..... 0  
Personal Protection..... 0

0 = Minimal Hazard    1 = Slight Hazard    2 = Moderate Hazard

3 = Serious Hazard    4 = Severe Hazard