



Mortars

Product Data

PYRO BLOC VENEERING CEMENT

PYRO BLOC VENEERING CEMENT is a high temperature, air setting bonding mortar specially blended to give proper consistency for applying **PYRO BLOC**.

Refractoriness:

Passes ASTM C-99 at 2910°F (1600°C)

P.C.E.:

Cone 29 (ASTM C-24)

Maximum Service Temperature:

3000°F (1650°C)

Joint MOR:

220°F (105°C)
2550°F (1400°C)

900-1200 psi (63-84 kg/cm²)
1500-2000 psi (107-140 kg/cm²)

Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	Other
42.4	52.2	0.5	1.1	3.8

Standard Packaging

50 lb. pails

Storage:

PYRO BLOC VENEERING CEMENT should be stored in a dry place above 32°F (0°C) and below 100°F (38°C). For best results use within two months.

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing and installation procedures in the field.

MJ 4/89

MATERIAL SAFETY DATA SHEET

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Prepared By: Research & Development
Telephone No: 336-290-1441 Ext. 20
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SECTION I. PRODUCT IDENTIFICATION AND USE

Product Name: Pyro Bloc Veneering Cement
Brand Code: 0240
NFPA/WHMIS Rating: 2-0-0
Product Use: Refractory Mortar

SECTION II. HAZARDOUS INGREDIENTS

Hazardous Ingredients	%	CAS No.	TLV TWA (mg/m ³) *	LD ₅₀	LC ₅₀
Crystalline Silica (Total):	16-26	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Above Includes: Cristobalite		14464-46-1	0.05	Not Available	Not Available
Tridymite		16468-32-3	0.05	Not Available	Not Available
Quartz		14808-80-7	0.1	Not Available	Not Available
Sodium Silicate	10-25	1344-09-8	Not Applicable	Not Available	Not Available

* Source: American Conference of Governmental Industrial Hygienists (ACGIH); TLV TWA for Crystalline Silica are for the respirable fraction of particulate matter.

SARA Title III Section 313 Toxic Chemicals: None

SECTION III. PHYSICAL DATA

Appearance and Odor:	Slurry to Paste Consistency, Gray Color, Earthy	Color:	
Physical State:	Slurry to Paste	Percent Volatile by Volume:	0
Odor Threshold:	Not Available	Boiling Point (°C):	Not Applicable
Specific Gravity (g/cc):	1.5	Freezing Point (°C):	Not Applicable
pH (10% Solids):	10-12	Vapor Density (Air=1):	Not Applicable
Solubility in Water:	Moderate	Vapor Pressure (mmHg):	Not Applicable
Coefficient of Oil/Water Dist:	Not Available	Evaporation Rate:	Not Applicable

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flammability:	Product is non-flammable and will not support combustion.		
Means of Extinction:	Not Applicable	Autoignition Temperature (°C):	Not Applicable
Flashpoint (°C) and Method:	Not Applicable	Hazardous Combustion Products:	Not Applicable
Upper Flammable Limit (o/v):	Not Applicable	Explosion Sensitivity to Impact:	Not Applicable
Lower Flammable Limit (o/v):	Not Applicable	Explosion Sensitivity to Static Discharge:	Not Applicable

SECTION V. REACTIVITY DATA

Stability:	Stable	Hazardous Decomposition Products:	None
Incompatibility:	Concentrated Acids	Hazardous Polymerization:	Will Not Occur
Reactivity:	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead, and zinc.		

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SECTION VI. HEALTH HAZARD/TOXICOLOGICAL DATA

Route of Entry: Skin Contact: Yes Skin Absorption: No Eye Contact: Yes
 Inhalation: Yes (Respirable Dust) Ingestion: Yes

Effects of Acute Exposure to Product:

Skin: May irritate skin.
Eye: May irritate and/or abrade eyes.
Inhalation: Congestion of the throat, nasal passages, and upper respiratory system.
Ingestion: Unknown.

Effects of Chronic Exposure to Product:

Skin: None Known
Eye: None Known
Inhalation: According to the International Agency for Research on Cancer (IARC), there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.
Ingestion: Unknown.

Exposure Limits: See Section II **Reproductive Toxicity:** None Known
Irritancy of Product: Moderate irritation may occur. **Mutagenicity:** None Known
Sensitization to the Product: None Known **Synergistic Materials:** None Known

Teratogenicity: None Known
Carcinogenicity: Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1 IARC)

California Proposition 65: This product contains crystalline silica, a chemical known to the state of California to cause cancer.

SECTION VII. PREVENTIVE MEASURES, AND SPILL OR LEAK PROCEDURES**Personal Protective Equipment:**

Gloves: Protective Gloves **Clothing:** Long Sleeved and Legged
Footwear: Safety Shoes (Not Essential) **Eye:** Goggles or Safety Glasses with Side Shields
Respirator: NIOSH Approved Respirator **Other:** None Known

Engineering Controls: General mechanical ventilation is normally adequate.

Leak and Spill Procedure: Return clean material to original container, or dispose. Cover spill area with an absorbent material, as area will be slippery. Remove the absorbent material after a period of time, and wash down area.

Waste Disposal: The tear out and disposal of this product may generate dust. During tear out, observe the exposure limits outlined in Section II, and the personal protection precautions in Section VII. Dispose in accordance with Federal, State and Local regulations.

Handling Procedures: Follow good housekeeping and hygienic practices.

Storage Requirements: Store in a temperature below 90°F (32°C).

Special Shipping Information: Not regulated by USA DOT, Canadian TDB Class and PIN.

SECTION VIII. FIRST AID MEASURES

Skin: Wash with soap and water. If irritation occurs, seek medical attention.
Eyes: Flush with clean water for 15 minutes. Seek medical attention.
Inhalation: Remove to dust free area and fresh air. If continuing respiratory distress, seek medical attention.
Ingestion: Seek medical attention immediately. Unless instructed by physician, do not induce vomiting. Product is non-toxic as supplied, but its abrasive nature may damage internal organs.

SECTION IX. OTHER INFORMATION

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein; however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.