



Anchoring & Patching Cement

DESCRIPTION

Black Swan's Anchoring & Patching Cement is a quick drying, high strength hydraulic cement used for anchoring and patching. Can be used in wet environments.

Anchoring & Patching Cement is ideal for stopping active leaks or flow of water through breaks in masonry surface under pressure (floors or wells); repairing dry holes and cracks in concrete, brick, stone, wood and all types of masonry surfaces; and to seal joints between pipes and masonry caulking around windows, etc.

DIRECTIONS

Patching - General

1. For best results, square cut the open crack or hole to a minimum depth and width of 3/4" then flush away all loose material.
2. **Anchoring & Patching Cement** sets in approximately three (3) minutes in normal temperatures. Do not mix any more material than you can use in three (3) minutes. Warm water will make the material set faster and cold water will make the material set slower.
3. Mix the material with clean water in a clean container. Add the powder to the water in a sufficient amount to make a heavy paste.
4. Immediately press the material firmly into the crack or hole. If possible plug leaky cracks after the seepage has stopped.
5. Repaired floors are ready for foot traffic in 30 minutes and heavier traffic in 1 hour.

Patching - How to Repair Active Leaks

1. If the material must be applied while the water is running (because seepage never stops) mix the material as stiff as possible and force hold it against the active leak with hand or trowel until firmly set. This procedure may have to be repeated depending on the water pressure at the seepage point.
2. Due to moisture and temperature changes, cracks and construction joints will move even after they have been filled with any plugging material. These changes that cause contraction and

expansion may cause the cracks or joints to re-open. If this happens repeat step 1.

Directions - Anchoring

1. Drill and clean out the hole to receive the bolt or other object to be anchored. Make the hole large enough for the anchoring cement to flow readily around the object when it is placed.
2. Mix **Anchoring & Patching Cement** per general directions above. Place object to anchored in hole and pour cement around it.
3. In about three (3) minutes the setting is firm. Within 30 minutes, light weight fixtures and equipment may be fastened in place. In one hour, even heavy machines can be bolted down firmly and can begin normal operation without danger that the anchor bolts will work loose.

WHERE TO USE

1. To stop active leaks or flow of water through breaks in masonry surface under pressure (floors or walls).
2. For repairing dry holes and cracks in concrete, brick, stone, wood and all types of masonry.
3. For anchoring of bolts, machinery, fixtures, hooks to concrete and other masonry surfaces.
4. To seal joints between pipes and masonry caulking around window, etc.

CAUTION

KEEP OUT OF REACH OF CHILDREN. If eaten or swallowed, serious personal injury could occur. Prolonged contact with skin may cause irritation. In case of eye contact, flood eyes repeatedly with water. Consult your physician under any of the above circumstances..

UPC Number and Carton Information

STOCK NO.	SIZE	UPC NUMBER	CARTON CUBIC FEET
04165	3 lb.	0 54647 04165 0	.708
04167	10 lb.	0 54647 04167 4	.776
04168	20 lb.	0 54647 04168 1	.509
04170	50 lb.	0 54647 04170 4	1.375

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**SECTION 1 - IDENTIFICATION**

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 773-227-3705 Web Site : www.blackswanmfg.com E-mail : info@blackswanmfg.com	For any Transportation or Medical Chemical Emergencies call: INFOTRAC (800) 535-5053 OR (352) 323-3500 24 hours per day - 7 days a week
Product Name: Anchoring & Patching Cement	Recommended Use: High strength hydraulic cement used for anchoring and patching.

SECTION 2 – HAZARD(S) IDENTIFICATION

<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Health Hazard</div><div>Irritant</div></div></div><div><div>Signal Word</div><div>Warning</div></div><div><div>HMIS</div><div><div><div>HEALTH</div><div>0</div></div><div><div>FLAMMABILITY</div><div>0</div></div><div><div>REACTIVITY</div><div>0</div></div></div></div></div>	<div><div>NFPA</div><div><div><div><div>HEALTH HAZARD</div><div>4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</div></div><div><div><div><div>0</div><div>0</div><div>0</div><div>0</div></div></div><div><div><div>SPECIFIC HAZARD</div><div>Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive R</div></div><div><div><div>FIRE HAZARD</div><div>Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn</div></div><div><div><div>REACTIVITY</div><div>4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</div></div></div></div></div></div></div></div></div>	<div><div>GHS Classification</div><div><div><div><div>Health</div><div>Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Not Established Skin Sensitization: No</div></div><div><div>Environmental</div><div>Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</div></div></div><div><div>Physical</div><div>None</div></div></div></div>
<div><div>Hazardous Statements</div><div>H315: Causes skin irritation H320: Causes eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation</div></div>	<div><div>Precautionary Statements</div><div>P102: Keep out of reach of children P261: Avoid breathing dust/fume/gas/mist/vapors/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling P270: Do not eat, drink or smoke when using this product P280/P284: Wear protective gloves/protective clothing/eye protection/face protection. Wear a NIOSH approved respirator for organic solvents.</div></div>	

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
CRYSTALLINE SILICA	14808-60-7	238-878-4	N/A	30%
PORTLAND CEMENT	65997-15-1	266-043-4	N/A	45%
CALCIUM SULFATE	7778-18-9	N/A	N/A	5%
CALCIUM HYDROXIDE	1305-62-0 1	N/A	N/A	5%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call physician. Skin: Remove contaminated clothing and shoes. Wash exposed skin areas with soap and water. If irritation or inflammation occurs seek prompt medical attention. Eyes: Flush with water for 15 minutes. If irritation persists, get medical attention. Ingestion: Give 1 or 2 glasses of water. DO NOT INDUCE VOMITING. Contact physician immediately.
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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None known.
Combustion Products: None known.
Extinguishing Media: None.
Unsuitable Extinguishing Media: None.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent contact with skin or eyes.
Protective Equipment: Wear suitable respiratory protective equipment.
Emergency Procedures: None.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Use dustless methods (vacuum) and place into closeable container for disposal or reuse if not contaminated or wet.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid contact with eyes and skin. Wash thoroughly after handling.
 Do not eat, drink or smoke in the work area.

Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. **Incompatible Materials:** Contact of Silica with powerful oxidizing agents such as fluorine, chlorine, trifluoride, manganese trioxide, oxygen difluoride, may cause fires.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>Exposure Limits</u>		<u>OSHA-PEL</u>
	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	
CRYSTALLINE SILICA	0.025 mg/m ³ (Respirable)	N/A	0.1 mg/m ³ (Respirable)
PORTLAND CEMENT	1 mg/m ³ (Resp. Dust)	N/A	5 mg/m ³ (Resp. Dust)
CALCIUM SULFATE	10 mg/m ³	N/A	5 mg/m ³
CALCIUM HYDROXIDE	5 mg/m ³	N/A	15 mg/m ³ (Total Dust)

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed.
Ventilation: Use with adequate ventilation.
Personal Protective Equipment – Respiratory: DO NOT BREATHE DUST. In dusty environments, the use of OSHA, MSHA or NIOSH approved respirator is recommended.
Personal Protective Equipment – Skin: Impervious gloves, boots, clothing.
Personal Protective Equipment – Eyes: Tight fitting goggles.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Gray	Flash Point:	Not Established	Vapor Pressure:	Not Established
Odor:	Petroleum	Specific Gravity:	2.6 – 3.15	Flammability:	Not Established
pH:	Not Established	Solubility (H₂O):	Slight	Flammability Limits:	LEL – Not Established
Melting Point:	Not Established	Evaporation Rate:	Not Established		UEL – Not Established
Freezing Point:	Not Established	Vapor Density:	Heavier than air		
Boiling Point:	>2700°F	VOC:	0 g/l		

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep dry until use to preserve product utility.

Incompatible materials: Contact of Silica with powerful oxidizing agents such as fluorine, chlorine, trifluoride, manganese trioxide, oxygen difluoride, may cause fires.

Hazardous decomposition products: Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas silicon tetrafluoride.

SECTION 11 – TOXICOLOGICAL INFORMATION

	<u>Toxicity</u>	
<u>Hazardous Chemicals</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
CRYSTALLINE SILICA	N/A	N/A
PORTLAND CEMENT	N/A	N/A
CALCIUM SULFATE	N/A	N/A
CALCIUM HYDROXIDE	N/A	N/A

Likely Routes of Exposure: Inhalation, Skin Contact and Eye Contact.

Symptoms and Effect - Inhalation: Shortness of breath and reduce pulmonary function. **Skin Contact:** Can cause caustic burns as severe as third degree. **Eye Contact:** Can cause caustic burns as severe as third degree. **Ingestion:** None.

Long-Term Effect: None known.

Pre-Existing Conditions: Individuals with sensitive skin and with pulmonary and/or respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should be precluded from exposure. Exposure to Crystalline Silica or the disease silicosis is associated with increased incidence of scleroderma or tuberculosis.

Chronic Exposure: Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. Respirable Crystalline Silica (Quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possible cancer.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 0g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Mfg. Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on the sheets.

DATE: 01/01/2021