



# Z 489

## CONCRETE IMPREGNATOR

**Stone  
Grout  
Brick  
Cement  
Concrete  
Terra Cotta**



### DESCRIPTION

Ready-to-use water based penetrating sealer for use on porous mineral surfaces. It provides a transparent subsurface barrier to give water and oil repellency. It makes the surface stain resistant, allowing easy clean up of most spills. It is non-yellowing for long lasting interior/exterior applications. This sealer provides durable protection without leaving a visible film, allowing the natural beauty of the stone to show.

### Test:

### Limit:

Color:	Clear light amber
Odor:	Mild characteristic
pH:	8.0 – 9.0
Flash Point (TCC):	144 °F
Dry/Recoat Time:	15-30 minutes min.
Detergent Resistance:	Excellent
VOC Content:	< 75 grams/liter
Storage/Stability:	2 years
Weight Per Gallon:	8.31 lbs./gal.
Freeze/Thaw Stability:	Keep from freezing

### DIRECTIONS

Clean surface with brush or broom to remove all loose dirt and debris. Remove cleaning solution with a wet vacuum, rinse thoroughly with clean water. Allow surface to dry completely before sealing.  
Sealer can be applied with paintbrush, pad, roller or mop. Low-pressure pump-up garden sprayers can also be used for large areas. Apply at coverage of 150–1000 sq ft/gal. Generously wet the surface, but do not allow puddles to form. Coverage will depend on the porosity of the stone. Highly porous surfaces such as cement or concrete will require two coats. If a second coat is necessary, apply after first coat has dried for 15–30 minutes.  
Clean up all equipment with detergent and water, immediately after application.  
Allow 4 hour to dry before opening area to light traffic. Maximum performance will be reached in 48-72 hours.

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

**Product Name:** Z489 Concrete Impregnator  
**Generic Name:** Water and Oil Stain Repellent  
**Chemical Family:** Fluorochemical Dispersions  
**Formula:** Proprietary

**Supplier's Name:** Zagers Brand Inc.  
**Supplier's Address:** 4320 Gandy Blvd, Tampa , FL 33611  
**Supplier's Phone #:** 813-835-7844

**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	70 to 100			
Aqueous Fluorochemical Solution	Trade Secret	0 to 10			
Fluoropolymer Dispersion	Trade Secret	0 to 10			
2-Butoxyethanol	111-76-2	0 to 5			
Isopropanol	67-63-0	0 to 5			

**SECTION 3-PHYSICAL DATA**

**Boiling Point (°F):** 212° F.  
**Vapor Pressure:** 20mm Hg @ 68 F.  
**% Volatile:** 90+  
**Solubility in Water:** Complete  
**Physical Description:** Thin clear light amber liquid with mild characteristic odor.  
**VOC Content (Subpart D §59.406) :** <75 gm/liter

**Specific Gravity:** 0.95 – 1.05  
**Vapor Density (Air=1):** >1  
**pH:** 8.0 – 9.0  
**Evaporation Rate (Water=1):** <1

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used):** 144° F. (TCC)  
**Upper Explosion Limit:** 6.0  
**Lower Explosion Limit:** 1.0  
**Extinguishing Media:** Water mist, Foam, CO<sub>2</sub>, or Dry Chemical  
**Special Firefighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** Drums heated by fire can explode.

**SECTION 5-REACTIVITY DATA**

**Stability:** Stable  
**Hazards Decomposition Products:** Will not occur

**Hazardous Polymerization:** None  
**Incompatibility (Materials to Avoid):** None

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Eye and Skin irritant. Avoid contact with eyes, skin and clothing. Avoid breathing of mists. Avoid circumstances that produce respirable particles (fine spray mists). Use in well-ventilated area only. Wash hands thoroughly after use. Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floor. Keep container closed during storage. For institutional and industrial use only.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Skin:** Prolonged or repeated contact may cause moderate irritation including dermatitis.  
**Eyes:** Eye irritant. May cause redness, tearing, burning sensation.  
**Inhalation:** Vapors may be irritating to nose, throat, and lungs. May cause dizziness, headache, and nausea. Excessive breathing of mists may cause serious injury to lungs.  
**Ingestion:** May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.

**First Aid Procedures:**

**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention.  
**Inhalation:** Immediately remove victim to fresh air and monitor. Seek medical attention if signs of irritation or difficulty breathing is observed.  
**Ingestion:** Do not induce vomiting. Dilute with 2 glasses of water. Seek medical attention if symptoms persist.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Organic vapor canister respirator when in confined areas.  
**Ventilation Requirements:** Provide adequate local where danger of mist contact will occur.  
**Protective Gloves:** Chemical resistant rubber.  
**Eye Protection:** Chemical splash goggles where danger of mist contact.  
**Other Protective Equipment:** Eyewash should be available. Protective footwear (e.g. rubber boots) and protective pants when applying to floors.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

**SECTION 10-REGULATORY INFORMATION**

**SARA Title III - Section 311/312 -Hazard Categories:**  
 No - Fire Hazard  
 No - Sudden Release of Pressure Hazard  
 No - Reactivity Hazard  
 Yes - Immediate (acute) Health Hazard  
 No - Delayed (chronic) Health Hazard

**Domestic Shipping Information:**  
 FOR CONTAINERS > 1 Gallon : Not Regulated  
 FOR 1 GALLON CONTAINERS : Not Regulated  
 FOR CONTAINERS < 1 GALLON : Not Regulated

**HMS Hazardous Materials Identification System**

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION:** CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product