



**ADVANCED POLYMER, INC.**

GET THE API ADVANTAGE . . .

## API-278C

API-278C Stain Blocking Polish is a deep penetrating, high gloss, stain resistant finish for concrete. It imparts excellent resistance to organic and inorganic stains to floors found in warehouses, restaurants, grocery store floors and other similar locations. Treated concrete floors will show excellent gloss and long lasting stain protection. API-278C can be used as the sole resin or used in conjunction with other polish resins.

### CHARACTERISTICS

- High gloss with durable long lasting stain protection.
- For use on interior, smooth finished concrete floors.
- Provides scuff and scratch resistant properties.
- Allows easy application and reapplication.

### APPLICATION INFORMATION

- Concrete should be clean, dry and a minimum of 28 days old.
- Do not apply at temperatures below 40°F
- API-278C Stain Blocking Polish is a permanent sealer, resistant to conventional floor polish strippers. It provides a great base for concrete floors maintained with conventional polish.
- Allow 24 to 72 hours to dry prior to contact with stains.
- API-278C is not designed for use in slip resistant floor finishes.

### FORMULATION

Component	Concentration (wt%)
API-278C Stain Blocking Polish	75
Water	25

### APPLICATION

- ✓ One gallon of API-278C will cover 250 sq. ft. to 1000 sq. ft. depending on surface texture and porosity.

### TYPICAL PROPERTIES

Appearance:	Milky white liquid
Solid Content:	33%
pH:	7.5
Specific Gravity:	1.08

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# API-278C

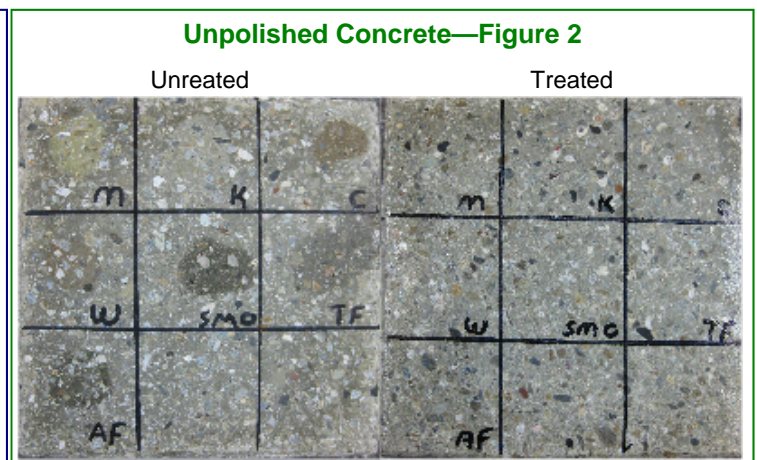
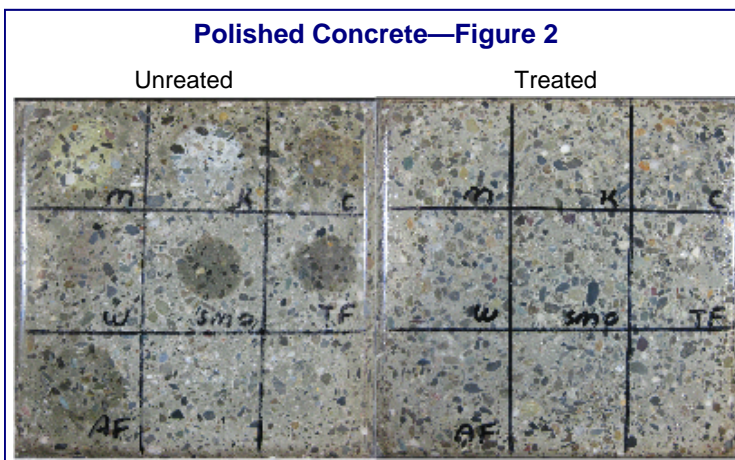
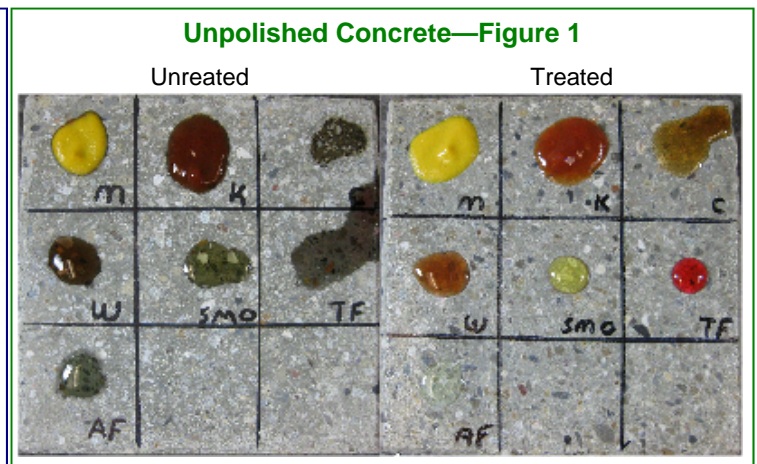
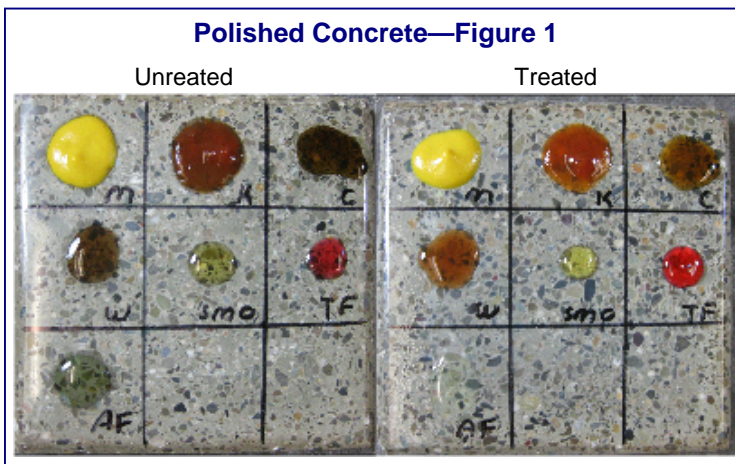
- ✓ Spray apply API-278C Stain Blocking Polish to the concrete. Then spread the product in a uniform manner over the surface to be treated using a brush or micro-fiber pad.
- ✓ For best gloss and stain repellency results two coats are recommended. Second coat should be applied within one hour of initial application. **DO NOT ALLOW FIRST COAT TO DRY COMPLETELY BETWEEN APPLICATIONS.**
- ✓ Always test each type of surface for appearance and penetration before overall application.
- ✓ May be subjected to light foot traffic after 24 hours. Allow 72 hours before subjecting treated surface to heavy foot traffic.

## STAIN RESISTANCE

Two coats of API-278C, formulated as suggested on Page 1, were applied to the surface and allowed to cure fully. The test liquids were then applied and left in contact with the surface for 24 hours (Figure 1). After the test period the surface was cleaned using warm water and a soft sponge (Figure 2).

**Key to Test Solutions**

Mustard	Ketchup	Coffee
Red Wine	Synthetic Motor Oil	Transmission Fluid
Antifreeze	None	None





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## API-278C

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### SPECIAL CONSIDERATIONS

Do not use API-278C for slip resistant floor finishes/coatings. Floor finishes/coatings formulated with API-278C should be evaluated for slip resistance and suitability for use in their intended application. Product application methods, usage, wear, maintenance procedures, wet conditions, contaminants, humidity, and other factors are known to alter in-place floor slip resistance.

### PACKAGING

API-278C is available in 8 oz. samples and 441-lb drums.

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#### I want to know more!

[technical@advpolymer.com](mailto:technical@advpolymer.com)

You may also be  
interested in . . .

- [API-279](#)
- [APG-1430](#)

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Revised October 22, 2010

## API-278C

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### Section I Product Identity

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Product Name: API-278C  
Chemical Name/Family: Fluorinated emulsion  
CAS Registry: Mixture  
24 Hour Emergency Number 800-424-9300  
24 Hour Chemtrec Number 800-424-9300  
All ingredients are listed in EPA's TSCA list of chemical substances

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### Section II Hazardous Components/Composition Information

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CHEMICAL

CAS #:	USOS:	TWA:	STEL:	PERCENT:
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### Section III Physical and Chemical Properties

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Boiling Point	212°F
Specific Gravity (H <sub>2</sub> O=1)	1.08
Vapor Pressure	N.A.
Vapor Density (Air=1)	N.A.
Percent Volatile By Weight	25
Evaporation Rate (BuAc=1)	N.A.
Solubility in Water	Disperses readily using mixer
Appearance and Odor	Milky white liquid with mild odor.

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### Section IV Fire and Explosion Hazard Data

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Flash Point (Method Used)	>200°F (Closed Cup)
Flammable Limits in Air (% By Volume)	N.D.
Extinguishing Media	Water spray, Foam, Dry Chemical, CO <sub>2</sub>
Special Fire Fighting Procedures	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
Unusual Fire and Explosion Hazard	None

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### Section V Reactivity Data

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Stability	Stable
Conditions to Avoid	Store in a well-ventilated place at temperatures below 90°F. Keep container tightly closed. Keep from freezing.
Incompatibilities	Avoid contact with strong oxidizing agents and acids.
Hazardous Decomposition or By Products	Combustion may produce CO <sub>2</sub> or CO
Hazardous Polymerization	May Not Occur

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## Section VI Health hazard Data

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Primary Routes of Entry	Inhalation: No	Dermal: Yes	Ingestion: Yes
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity			
NTP: No	IARC Monograph: No	OSHA Regulated: No	

### Signs and Symptoms of Exposure:

Skin Contact	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Ingestion	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Inhalation	Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headache, dizziness, nausea, lack of coordination, drowsiness and loss of consciousness.

### Medical Condition Generally Aggravated by Exposure

### Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Call a physician.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

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## Section VII Precautions for Safe Handling and Use

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Steps to be Taken in Case the Material is Released or Spilled:

Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal Method As in accordance with EPA and local regulations.

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## Section VIII Special Precautions

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Precautions to be Taken in Handling and Storage:

Store at temperatures between 40°F (10°C) to 90°F (32.2°C). Store in a tightly closed container. Store in a well ventilated area. Store away from oxidizing agents, sources of heat, direct sunlight or rain.

**\*\*\* Protect from freezing. Agitate API-278C Stain Blocking Polish using low shear mixing prior to use.\*\*\***

Special Considerations:

Do not use API-278C for slip resistant floor finishes/coatings. Floor finishes/coatings formulated with API-278C should be evaluated for slip resistance and suitability for use in their intended application. Product application methods, usage, wear, maintenance procedures, wet conditions, contaminants, humidity, and other factors are known to alter in-place floor slip resistance.

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## Section IX Control Measures

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Respiratory Protection:	Not required
Ventilation :	Local exhaust            Not required
	Mechanical
	Special
	Other
Eye Protection:	Safety glasses should be worn
Protective Gloves	Rubber or plastic gloves should be worn
Protective Clothing:	Rubber apron
Other Protective Equipment:	NIOSH approved respirator as needed
Other Precautions:	Wash hands after use.

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## Section X SARA Title III

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### SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #

Chemical Name

Percent by Weight

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE DCOPIED AND DISTRIBUTED FOR THIS MATERIAL

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## Section XI Transportation Information

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### SHIPPING INFORMATION

API-278C is classified as non-hazardous and is not regulated by DOT.

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## Hazard Ratings

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Health	1
Flammability	1
Reactivity	0

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Date Prepared ..... March 27, 2009

Prepared By ..... API

Date Revised ..... May 6, 2010

Revised By ..... API

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