



Best in Class

同类产品中最好的

Лучшие в своем классе

Τα καλύτερα στην κατηγορία τους

Lo mejor de su clase

Кращим у своєму класі рішенням

Le meilleur de leur classe

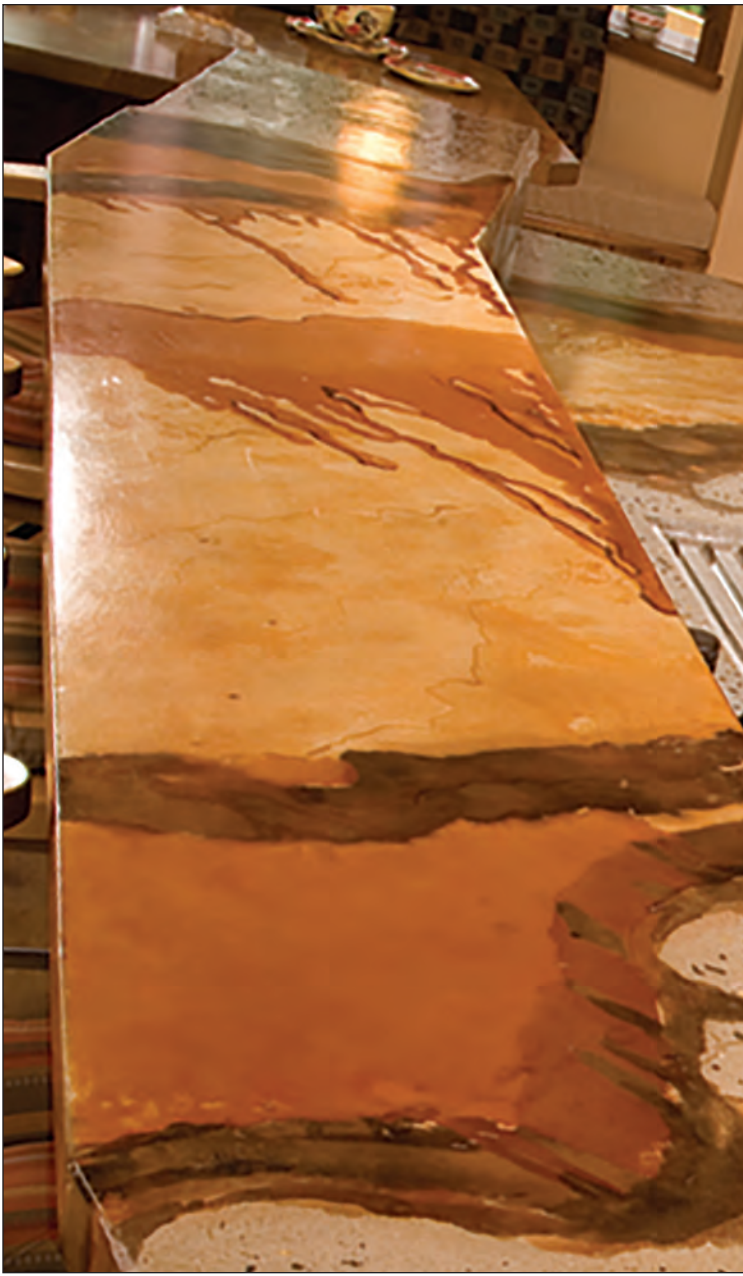
اهتئف نم لصفأ

Sınıfının En İyisi Sorun Çözücüleri

업계 최고의 해결사

*presenting*

**PRIME SHIELD**



**Prime Shield  
preserves & protects  
concrete surfaces  
such as decorative  
concrete countertops  
against damage from  
vegetable oils, water,  
food, wine, soft  
drinks, vinegar &  
many other types  
of spills**



# PRIME SHIELD

— A modified thermoplastic acrylic polymer system specifically designed for use on concrete, asphalt, and many other surfaces —



## PRODUCT DESCRIPTION:

**Prime Shield's** rugged durability makes it ideal for use on driveways, roads and parking decks. Application of **Prime Shield** helps prevent the deterioration of asphalt and concrete due to spillage of grease, motor oil, gasoline and various acids. **Prime Shield** helps prevent building surfaces from damage caused by UV rays.

## BENEFITS:

- Durable • Single component • V.O.C. compliant • Non-yellowing • U.V. resistant • High gloss or matte finish • Easy maintenance • Chemical & salt resistant • Easy to apply • Helps prevent dusting

## WHERE TO USE:

- New & old concrete • Most masonry surfaces • Architectural & monumental concrete
- Warehouse/manufacturing facilities • Arenas • Vertical concrete surfaces • Columns



*Best in Class*  
同类产品中最  
最好的  
Лучшие в  
своем классе  
Τα καλύτερα της  
κατηγορίας  
Lo mejor de su clase  
Le meilleur  
de leur classe

## FOR MORE INFORMATION, CONTACT US AT:

2950 Newmarket Street, #101-158  
Bellingham, Washington 98226-8618 USA  
Phone: 1.360.656.5183  
Fax: 1.360.335.6879  
E-mail: [info@primesealants.com](mailto:info@primesealants.com)  
Web: [www.primesealants.com](http://www.primesealants.com)

## Available Sizes:

- 1-gallon jugs
- 5-gallon pails
- 55-gallon drums
- 275-gallon totes

©2015, VJ Ventures, Inc.

Product Information Sheet – **PRIME SHIELD** – Revised 3 December 2015





**Prime Shield preserves & protects vertical exterior concrete surfaces from damage from the weather & elements**



# PRIME SHIELD™

— PENETRATES DEEP TO HARDEN, DENSIFY & PROTECT CONCRETE —

**P** **Prime Shield** is an active, osmotic, durable penetrating material that increases the density and hardness of concrete and partially seals the surface, protecting it from weather elements, UV rays, chemicals and more.

## Special Properties

- ✧ Non-yellowing
- ✧ Paintable & coat-able
- ✧ Easy to apply
- ✧ Quick drying
- ✧ Helps prevent dusting and spalling
- ✧ Helps prevent efflorescence
- ✧ Low moisture transmission rate
- ✧ Excellent base for adhesives
- ✧ Non-chalking
- ✧ Resistant to oil & gasoline
- ✧ Non-blushing
- ✧ Matte or gloss finish

## Applications

- ✧ Old & new concrete
- ✧ Most masonry surfaces
- ✧ Decorative concrete
- ✧ Concrete counter tops

- ✧ Exterior surfaces
- ✧ Sports arenas
- ✧ Chemically-stained concrete
- ✧ Stamped concrete
- ✧ Architectural concrete
- ✧ Floors
- ✧ Walls

## Yield

One gallon of **Prime Shield** will treat between 300 and 400 square feet of surface area, depending on the porosity and condition of the concrete where it is applied.

## Color & Packaging

**Prime Shield** is a milky-white liquid that dries to a water-clear finish. **Prime Shield** is available in 1-gallon and 5-gallon units, in 55-gallon drums and in 275-gallon totes. Shelf life is one year if material is properly stored in a sealed container.

## Application Information

*CAUTION: Do a small test in an inconspicuous area before starting the project to assure the compatibility of all products being used. Conduct the product test using exactly the same procedures and in the same fashion that you plan to use on the actual project itself. Read all instructions, warnings and limited liability statements found on product labels and technical data sheets beforehand. Prime Shield is designed to be used by professionals.*

**SURFACE PREPARATION:** The surface must be clean, dry and free of all contaminants, oil, sealers, bond breakers and waxes. After the surface has been cleaned, make sure that all residues have been removed using clean water. Be sure to use a vacuum or sweeper to remove all chemical residue and also any dust, dirt or any other contaminants that may be on or just below the surface of the material. Always conduct a small test to assure the compatibility of all products being used.

**APPLICATION INSTRUCTIONS:** Make sure that you apply the proper consistency of **Prime Shield**. Diluting the material will reduce its efficiency. **Prime Shield** may be applied to many more surfaces than just concrete, but always test the surface are in question first to assure compatibility.

- ① You can apply **Prime Shield** using an airless spray unit or a short-nap roller.
- ② If an airless spray unit is unavailable, a brush or a short-nap roller can be used instead.
- ③ Use both with extreme caution, because improper use of them may cause foaming and bubbles to appear in the film/product, producing an undesirable appearance when the material dries.
- ④ Coat the surface uniformly. Do not leave any gaps, slips or excesses. Do not apply more material per square foot than what is specified in this Technical Data Sheet.
- ⑤ Apply **Prime Shield** only to surfaces that are structurally sound and have been completely cleared of all dirt, oil, grease and other foreign matter.
- ⑥ Apply at a coverage rate of between 350 and 400 square feet per gallon on hard floors and at a coverage rate of 350 to 300 square feet per gallon on porous floors.
- ⑦ A second coat is recommended for long-term durability. After the first coat has been applied, a second coat may be applied typically after the surface has dried tack-free.
- ⑧ The material will dry in less than 4 hours at 72° F.
- ⑨ Apply the second coat using a coverage rate of between 400 and 450 square feet per gallon. The coverage rate will vary according to the porosity of the concrete.

READ ALL INSTRUCTIONS, WARNINGS AND LIMITED LIABILITY INFORMATION ON PRODUCT LABELS AND TECHNICAL DATA SHEETS BEFORE USING PRIME SHIELD.

### Technical Data

INFORMATION	VALUE
Color	Milky white; dries water clear
Solids	30 ± 1
Tack Free	20 to 30 minutes
Dry To Touch	20 to 30 minutes



<b>INFORMATION</b>	<b>VALUE</b>
Clean Up	Water
Pounds Per Gallon	7.94
V.O.C. Content	<100 grams per liter
Hardness	Excellent
Flammability	None
Application Temperature	50° F minimum
Spread Rate	300 to 400 square feet per gallon average per coat on concrete
Total Cure	Allow 48 hours for total cure before testing product.
<b>DO NOT FREEZE!</b>	

*CAUTIONS: Keep out of reach of children. May cause skin or eye irritation. May be harmful if swallowed. Do not induce vomiting. Use only in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces.*

**For safety data, see Safety Data Sheet.** *Take all preventive measures specified in the Safety Data Sheet and in the hazard markings to prevent accidents and protect health.*

*Information provided in this data sheet is based on the current state of knowledge. This does not exempt purchasers from carrying out their own careful inspections of incoming goods in individual cases. We reserve the right to make changes to the product data in the course of technical progress or due to operationally-related further development. Owing to factors beyond our control during application, recommendations given in this data sheet require tests and experiments by customers. Our recommendations do not exempt customers from the obligation to check any infringements of third-party rights themselves and eliminate them if necessary. The suggestions made herein for product use are not equivalent to a warranty of its suitability for the recommended purpose.*



*Each new release of this data sheet supersedes the previous one.*

*For more information, contact:*

**PRIME SEALANTS**

2950 Newmarket Street, #101-158  
Bellingham, Washington 98226-8618 USA

Phone: 1.206.656.5183

Fax: 1.360.335.6879

Email: [info@primesealants.com](mailto:info@primesealants.com)

Web: [www.primesealants.com](http://www.primesealants.com)

©2015, VJ Ventures, Inc.



## **PRIME SHIELD WARRANTY**

**Prime Sealants warrants that this product will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with the recommendations of Prime Sealants. If this product fails to meet this warranty, the liability of Prime Sealants will be limited to replacement of any non-conforming material. Prime Sealants may, at its sole discretion, refund the purchase price in lieu of replacing the material. Except for the expressed warranty stated above, no other warranties, expressed or implied, including without limitation, any implied of fitness for purpose, are included in this warranty. Prime Sealants shall have no liability or responsibility to the purchaser or any third party for any loss, cost, expense, damage or liability, whether direct or indirect, or for incidental or consequential damages.**



# SAFETY DATA SHEET (SDS)

---

## SECTION 1, IDENTIFICATION

---

**Product Identification:** Prime Shield

**Product Description:** Water-based blend of acrylic copolymers

**Trade Name:** Prime Shield

**DOT Shipping Name:** N/A

**Distributor Name:** VJ Ventures, Inc. d.b.a. Prime Sealants

**Distributor Address:** 2950 Newmarket St., #101-158, Bellingham, WA 98226 USA

**Distributor Telephone:** 1.360.656.5183

**Distributor Emergency 24-Hour Telephone:** 1.360.656.5183

**Distributor Website:** [www.primesealants.com](http://www.primesealants.com)

**Recommended Use:** Concrete and asphalt

**Restrictions on Use:** None

---

## SECTION 2, HAZARD(S) IDENTIFICATION



**Note:** This product is not dangerous to human life or the environment.

**Hazardous Products Resulting from Combustion:** Carbon monoxide and carbon dioxide.

---

## SECTION 3, COMPOSITION/INFORMATION ON INGREDIENTS

---

CHEMICAL & COMMON NAME	CAS NUMBER	WEIGHT (%)	OSHA PEL
Dialuminum (III) trioxide trihydrate	14762-49-3	<20%	Not established
EDTA	10378-23-1	<30%	Not established
Hydrogen Peroxide	7722-84-1	<7	Not established
Inert Filler		<20%	Not established
Additives		<35%	Not established

---

## SECTION 4, FIRST-AID MEASURES

---

**Contact with Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

**Contact with Skin:** Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. If affected person is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

**Ingestion:** If swallowed, DO NOT induce vomiting. Seek immediate medical attention. If victim is fully conscious, give a cupful of water. Never give anything by mouth to a person who is unconscious.

---

## SECTION 5, FIRE-FIGHTING MEASURES

---

**Extinguishing Media:** Water, carbon dioxide, dry chemical and foam fire extinguishers.

**Protection of Firefighters:** Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing.



---

## SECTION 6, ACCIDENTAL RELEASE MEASURES

---

**Personal Protection:** Wear adequate personal protective equipment in order to avoid eye and skin contact.

**Environmental Protection:** Prevent product from entering into sewer, sink, ground water, rivers and lakes..

**Methods of Cleanup:** Recover the product with suitable materials like sand, sawdust and special chemicals with high absorption properties. Remove all ignition sources. Containers that shows leak must be removed to a secure and well ventilated area. After that must be restore to new containers and dispose for elimination. In order to eliminate the product consult local and national laws. Non-trained personnel must be turned away from the area.

---

## SECTION 7, HANDLING AND STORAGE

---

**Handling:** No smoking, keep away from sources of ignition. Insure that there is no electrical discharge in the area. Do not breathe vapors. Exposure in high temperature may cause ignition.

**Storage:** Containers must be tightly closed and stored in well-ventilated area away from source of ignition and fuels. Do not store in temperatures higher than 35°C. Do not store in cars cabin.

---

## SECTION 8, EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**Engineering Controls:** Use with adequate ventilation. Keep containers closed when not in use. Safety shower and eyewash fountain should be within direct access.

**Respiratory Protection:** Wear a suitable mask.

**Skin Protection:** Wear protective gloves when possibility of contact exists.

**Eye Protection:** Wear chemical goggles with sidepieces.

**Protective Clothing:** Use of protective clothing is recommended to avoid damage to regular clothing.

**Hygiene Measures:** Wash hands before breaks and after work. While at work, do not drink, eat or smoke around product. Change clothing if it becomes contaminated with the material.

**Permissible Exposure Limits:** Not established.

---

## SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

---

**Appearance:** Liquid.

**Color:** White.

**Odor:** Odorless.

**Specific Gravity:** 0.95-1.10 gr/cm<sup>3</sup>.

**Boiling Point:** 100° C.

**Vapor Density:** 0.6.

**LogP (octanol/water):** Not determined.

**pH (23° C):** 8-9.

**Viscosity (23° C):** <500mPas.

**Flash Point:** >55° C.

**Flammability:** Not determined.

**Explosive Characteristics:** None.

**Oxidizing Characteristics:** None.

**Fatty Solubility:** Not determined.

---

## SECTION 10, STABILITY AND REACTIVITY

---

**Chemical Stability:** This material is stable under normal storage conditions.

**Heat Combustion:** None.

**Conditions to Avoid:** Avoid heat, sources of ignition, fire, and combustible materials. Do not store in temperatures higher than 35° C.

**Materials to Avoid:** Strong-oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

---

## SECTION 11, TOXICOLOGICAL INFORMATION

---

There is no toxicological data available concerning this product.

**Special Effects on Humans:** Continuous or repeated exposure to this product may cause slight irritation of the skin and eyes. Breathing high amounts of vapors may also cause sleepiness.

---

## **SECTION 12, ECOLOGICAL INFORMATION\***

---

**Note:** Prevent discharge or leaking of this product onto the soil or into streams, lakes, rivers or other water sources.

---

## **SECTION 13, DISPOSAL CONSIDERATIONS\***

---

**Disposal Method:** Dispose in accordance with federal, state and local regulations and permits. We recommend that, rather than disposing of the product, you recover as much of it as you can and reuse it.

---

## **SECTION 14, TRANSPORT INFORMATION\***

---

**Land Transport (ADR):** Not regulated.

**Land Transport (RID):** Not regulated.

**Inland Waterway Transport (ADNR):** Not regulated.

**Ocean Transport (IMDG):** Not regulated.

**Air Transport (ICAO/IATA):** Not regulated.

---

## **SECTION 15, REGULATORY INFORMATION\***

---

**Note:** No hazard, risk or danger warnings are known to be required for this product in either the US or the EU.

---

## **SECTION 16, OTHER INFORMATION**

---

**SDS Preparation Date:** 3 October 2014

**Formula Version Number:** 1

**Prepared By:** BMS-CDS.

*For more information please contact:*



2950 Newmarket Street, #101-158  
Bellingham, Washington 98226-8618 USA

[www.primesealants.com](http://www.primesealants.com) – web  
[info@primesealants.com](mailto:info@primesealants.com) – email

+1 (360) 656.5183 – phone  
+1 (360) 335.6879 – fax

©2015, VJ Ventures, Inc., All Rights Reserved

