



STARSEAL® PS CLEAR

Hardening • Dust Proofing • Water Repellent • Meets EPA and AIM regulations

VOC Content: 0 gr./liter

DESCRIPTION

Bring out the natural beauty and increase the performance of new or old gray colored and stained concrete floors with **VEXCON STARSEAL PS CLEAR**. StarSeal PS Clear is a special water white solution of active silicates with penetrating and wetting agents which forms a chemical and wear resistant, dust free and water repellent concrete floor. StarSeal PS Clear contains no volatile organic compounds, (VOC's). StarSeal PS Clear floors are virtually maintenance free. With constant use, the treated surface develops a hard, lifetime finish within 6-9 months or polish the floor immediately after application revealing a concrete surface with a hard, glossy finish without the need for a topical coating that will wear through and require recoating. Treated concrete will achieve resistance to a wide variety of industrial chemicals, oil, gasoline, and rubber marking within 28 days on fresh concrete and within 8 hours on existing concrete. Use StarSeal PS Clear FSR to increase chemical and food acid resistance. When applied to fresh concrete, prior to covering with curing blankets, StarSeal PS Clear reacts with the free lime and calcium chemically harden the surface and produce crystalline growth to make the concrete water repellent. When applied to existing concrete, StarSeal PS Clear produces a wear resistant, dust free, water repellent surface. StarSeal PS Clear will not interfere with the adhesive bond of applied flooring materials or with properly applied concrete coatings.

STARSEAL PS HB

This material is specifically designed to penetrate quickly into the pores of very porous concrete. Apply as directed for existing concrete. StarSeal PS HB will fill the pores quickly, usually in one or two coats. Final finishing should always be done with StarSeal PS Clear.

TOPCOATS AND ADHESIVES

StarSeal PS Clear allows for bonding of many finishes. Concrete must cure a minimum of 28 days prior to applying paints or adhesives recommended by their manufacturer for compatibility and adhesion. We recommend the use of a test patch.

BENEFITS

- Abrasion resistant • produce hard wear surfaces
- Does not require sealers or other top coating materials which can peel or wear and weather off
- Low maintenance, no waxing or resurfacing is required
- Quick installation, no scrubbing in
- Non Hazardous
- Odorless
- Apply over Acid Stains and Integrally colored concrete
- StarSeal PS Clear will lighten and harden the desired mottled appearance of acid stained and integrally colored concrete
- Apply to green concrete with supplemental curing only
- Performance Warranty
- Easy to apply
- Chemical and food acid resistant • Non-Staining
- Quick and deep penetration
- Will not whiten
- VOC compliant
- USDA approved

PRIMARY APPLICATION AREAS

STARSEAL PS CLEAR:

Product: StarSeal PS Clear.

Interior and exterior concrete surfaces such as warehouse and industrial floors, parking structures, driveways, entrances and walkways, and stadiums where there is no exposure to food. Can be applied over neutralized acid stains or integrally colored or shake on hardened concrete.

STARSEAL PS CLEAR FSR:

Products: StarSeal PS Clear, StarSeal Fixative and StarSeal PS Finish Coat

Concrete applications such as restaurants, shopping malls, kitchens, food courts, schools, pool decks, stadiums, counter tops, food markets and food handling areas. Can be applied over neutralized acid stains or integrally colored or shake on hardened concrete.

WARRANTY SUMMARY

For a period of Twenty (20) years commencing from the date on which the concrete surface described herein is treated with StarSeal PS Clear. For a full explanation of our warranty consult warranty # W146.

PERFORMANCE DATA

StarSeal PS Clear treated concrete is performance validated with the following standards:

- Balance Beam Mar Tester ASTM D5178: Greater than 50% harder
- ASTM D2486 Abrasive Scrub: 1200 Cycles
- Modified Tabor Abrasion 600 Revolutions: 0.37% treated vs 0.68% untreated
- ASTM G-53 5000 Q.U.V: No fade, change or erosion
- Bonding ASTM 4541: Greater than 50 psi
- Absorbitivity ASTM C642: Reduction of 75% of Control
- Solids ASTM 2369: 18% Min.
- Case Consulting Laboratories: Coefficient of Friction Determinations ASTM 2047:
 - StarSeal PS – average – 0.54
 - StarSeal PS Finish Coat – average – 0.63

After 24 hours on existing concrete, and 28 days on fresh concrete, surfaces treated with StarSeal PS Clear provide the following resistances:

CHEMICAL

10% Chromic Acid
30% Hydrochloric acid
5% Lactic Acid
Potassium Dichromate
20% Sodium Hydroxide
30% Sulfuric Acid
3% Acetic Acid
Aluminum Chloride
Ammonium Chloride
85% Carbonic Acid
85% Phosphoric Acid
Salt Brine
Sodium Sulfate
Sodium Sulfite
Tannic Acid
Zinc Sulfate
Oil
Gasoline
Anti Freeze
Transmission Fluid
Brake Fluid

RESULT

No attack
White stain only
Gray discoloration
Yellow stain
Slight discoloration
White spot
No effect
Discoloration
Discoloration
No action
Slight attack
Discoloration
Discoloration
No effect
Heavy brown set
Discoloration
No effect
No effect
No effect
No effect
No effect

INSTALLATION

For complete installation instructions, refer to data sheet CT101A.

SPECIAL NOTES/LIMITATIONS

- Keep from freezing
- Not for use at temperatures below 40° F (4° C)
- Do not dilute except as directed
- Do not apply to metal, glass or painted surfaces
- For use by Professional Certified Applicators
- Not recommended for terrazzo
- Cannot hide surface blemishes or cover construction error
- If properly stored in its original sealed container, one year. Rotate your stock.
- Keep from freezing year. Rotate your stock.
- Not recommended for stamped concrete

VITAL STATISTICS

Boiling Point(760 mm Hg):		212° F(100° C)
	<u>PS</u>	<u>HB</u>
Flash Point:	NA	NA
Autoignition Temp:	NA	NA
Pounds/gal	9.38	10.68
VOC:	Zero	Zero

MAINTENANCE

Floors prepared with the StarSeal PS Clear or StarSeal Clear FSR require little maintenance. General housekeeping is recommended to keep floors clean and looking new. If cleaning is required, spills should be cleaned when they occur. Dirt may be hosed off with water. Heavily soiled areas may be cleaned by mop or by scrubbing with a floor machine equipped with a scrubbing brush and a high quality commercial floor cleaning detergent. Rinse and allow to dry. If a floor wax is desired, although not required, follow the instructions above and after floor has been cleaned and is dry wax floor with a commercial paste wax. Buff to desired shine. Strip with a neutral wax stripper and reapply paste wax semi annually or as required.

PACKAGING

StarSeal PS Clear is available in 55-gallon drums, 5-gallon pails and 1-gallon units. Contact Vexcon to discuss your customized packaging requirements

HEALTH AND SAFETY

Vexcon MSDS #CT101 is an integral part of the safety and application of our product. Before using this Vexcon product, it is advisable to obtain a copy of the MSDS, #CT101, from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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