



VEXCON
CHEMICALS, INC.

Protecting and improving concrete since 1974

7240 State Road, Philadelphia, PA 19135
215-332-7709 or 888-839-2661
Fax: 215-332-9997

vexcon.com

STARSEAL® ENVIO STRONG

Acrylic Admixture and Bonding Agent

VOC Content: 0 gr/liter

DESCRIPTION

STARSEAL ENVIO STRONG is a technically advanced non re-emulsifiable modified vinyl emulsion polymer. It is a proprietary formulation designed for use as an additive for Portland cement mixes to improve adhesion and mechanical properties as a ASTM C 1059, Type II Bonding Agent. Concrete or mortar prepared using StarSeal Envio Strong exhibits fast curing, good resistance to most common industrial chemicals, ultra violet light and high adhesion to many surfaces.

StarSeal Envio Strong is recommended for use as an admixture to Portland cement base mixes and toppings for patching or resurfacing concrete floors, sidewalks, driveways or ramps. Use to repair and fill cement cracks and joints, helping to minimize cracking.

BENEFITS

- Non re-emulsifiable
- Resists most common industrial chemicals, heat and freeze/thaw cycles
- Non-yellowing
- Use indoors and out in vertical and horizontal concrete
- Manufactured in our advanced computer controlled facility and extensively quality controlled to ensure certified performance

APPLICATION

Pre-mix type 1 Portland cement and clean mason's or 40 mesh sand at the desired ratio, and blend in the pre-mixed StarSeal Envio Strong and water in the ratio from the chart supplied. Mix to a desired consistency, usually on the stiff side. Avoid over mixing which traps air. Keep the mix at 60-80° F (16-27° C). Use warm or iced water if necessary. Air entraining agents must not be used with StarSeal Envio Strong. Apply with clean lubricated trowels in sections no thicker than 3/4". Finish the mortar in accordance with accepted standards, for feathering, floating and troweling. Mixes will stay plastic for approximately 30 minutes. For very thin toppings, application of StarSeal® Envio Bond as a bond coat (see data sheet #RP101) prior to applying StarSeal Envio Strong admixture mixes.

APPLICATION AS A BONDING AGENT

Clean structurally sound surface thoroughly, removing loose and scaling materials. Coated area must be free of effloresce, waxes, oils and internal dampness, paints, lattice or rust. Pre-dampen surface then apply StarSeal Envio Strong without thinning by brush, roller or spray in a continuous unbroken film. Allow to dry 4-8 hrs. Do not allow to dry completely. Re-moisten prior to overlaying. If film has dried re-wet and put on topping mix immediately.

COVERGE RATE

- Smooth Concrete: 250 sq.ft./gal
- Porous Concrete: 125 sq.ft./gal.

SPECIFICATIONS

- Meets USEPA AIM and OTC VOC regulations
- Meets all requirements of ASTM C 1059 for Type II products.
- CSI reference: 03 31 00

SPECIAL NOTES

- Do not apply below 40° F (4.4° C).
- StarSeal Envio Strong mixes must have control joints to meet ACI standards at least every 200 sq.ft. to prevent cracking.
- StarSeal Envio Strong is not designed for continuous water or chemical immersion.
- Moisture cure only. Do not use curing compounds or membranes.
- If properly stored in its original sealed container, one year. Rotate your stock.
- Keep from freezing.

MIX PROPORTIONS

- CEMENT OR PLASTER (No thicker than 1/4")
1 Part Certi-Vex Envio Strong
2 Parts water
- OVERLAYS(1/4" to 3/4")
1 Part StarSeal Envio Strong
1 Part water

PACKAGING

StarSeal Envio Strong is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

VITAL STATISTICS

- Flash Point: NA
- Boiling Point: 215° F (102° C)
- Autoignition Temp: ND
- Extinguishing Media: Foams, Dry Chemical, CO₂, Water fog or spray.

HEALTH AND SAFETY

- Use only with adequate ventilation.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.

Vexcon[®] MSDS #AB102 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of the MSDS 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.

- vexcon.com
- technicalservice@vexcon.com
- customerservice@vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997