



PRODUCT BULLETIN

ARMOUR-GUARD

Clear, 100% Acrylic Latex, Fast Penetrating Sealer
For Protecting Concrete, Brick, Masonry & Wood Substrates

It is not a coating!
It is a penetrating sealer!!

GENERAL DESCRIPTION

STAR ARMOUR-GUARD is a specialty clear penetrating sealer that was developed especially to protect common building materials like, concrete, brick, masonry, etc. Being based on 100% Acrylic polymers and specialty chemicals, STAR ARMOUR-GUARD is highly stable and resistant to water, salts, ultraviolet and weathering.

It quickly penetrates the substrate and forms a rubber network in the interstices that stops water, chloride de-icing chemicals, salt, and other damaging elements from entering and destroying concrete.

OUTSTANDING FEATURES

- Highly penetrating. It will not make the concrete surface look wet, shiny and slippery.
- Inhibits chloride de-icing chemicals, salt and damage from chemicals to concrete.
- Maintains flexural and tensile strength of the concrete.
- Very easy to apply. Very fluid, water-like consistency.
- Water-based, safe to handle and easy to store.
- Non-flammable.

RECOMMENDED USES

All types of interior and exterior concrete, brick, masonry & wood substrates

- Concrete driveways, sidewalks, garage floors.
- Basement foundation walls and floors.
- Specially suited for protecting and beautifying paving stones, terrazzo tiles, rocks, etc.

PROPERTIES & SPECIFICATIONS

Appearance	Milky white, water-thin liquid with mild ammonical odor.
Dry Film	Clear transparent.
Polymer Type	100% Acrylic latex.
Resistant To	De-icing salts, water, oil, grease, transmission fluid and other petrochemicals.
Color Change	Non-yellowing. The color of the surface will not change.
Durability	Estimated 2-3 years.

APPLICATION NOTES

Surface Preparation: Concrete must be clean, free of dust, grease, grime, mold, mildew and debris. Additionally, the surface must have a profile and a certain degree of porosity for STAR ARMOUR-GUARD to penetrate swiftly and effectively.

Smooth surfaces (including trowel finish): Examples of such surfaces are garage, warehouse and most of the interior floors. For use on such surfaces, it is highly recommended that the surfaces be etched with muriatic acid or any other suitable method to create porosity for the effective and swift penetration of STAR ARMOUR-GUARD into the structure. The surface shall be thoroughly washed and be dry prior to the product application.

Oil, Grease, etc.: Remove by degreasing and washing with a detergent.

Mold, Mildew: Remove with a bleach wash or any other suitable method.

Dilution & Coverage rates:

Armour Guard is not a coating. It is a penetrating sealer.

To assure proper penetration, the product must be diluted with water.
Always **add water into ARMOUR-GUARD**, not visa-versa.

Rough Surfaces:

Dilute with an equal volume of water (1:1, water Product)
And apply at the rate of 180-200 sq. ft/gallon of the concentrated product. (i.e. the diluted product will cover 360-400 sq. ft./gal.). Additional coats may be applied for satin, semi-gloss or glossy finish but each coat shall be allowed to dry prior to the application of the next coat.

Medium Roughness Surfaces: Dilute with an equal volume of water (1:1, water Product), and apply at the rate of 200-250 sq. ft/gallon of the concentrated product. (i.e. the diluted product will cover 400-500 sq. ft/gal.). Additional coats may be applied for satin, semi-gloss or glossy finish but each coat shall be allowed to dry prior to the application of the next coat.

Smooth, tight Surfaces: For use on such surfaces, it is highly recommended that the surfaces be etched with muriatic acid or any other suitable method to create porosity for the effective and swift penetration of STAR ARMOUR-GUARD into the structure. The surface shall be thoroughly washed and be dry prior to the product application.

Dilute with an equal volume of water (1:1, water Product), and apply at the rate of 200-300 sq. ft/gallon of the concentrated product. (i.e. the diluted product will cover 400-600 sq. ft/gal.). Additional coats may be applied for satin, semi-gloss or glossy finish but each coat shall be allowed to dry prior to the application of the next coat.

Application Methods: Low pressure spray, roller or brush.

Coverage Rates: Approx. 200-300 Square Feet/ gallon, which vary with the porosity of the substrate.

Drying Time: 30 minutes, which may vary according to ambient conditions.

Weather Limitations

STAR ARMOUR GUARD is a water-based product therefore it must be protected from freezing.

Ground and air temperature must be 50 °F and rising prior to and after application.
Drying is retarded by high humidity and low temperatures.
Do not apply during rainy or foggy weather.
Apply at the recommended application rates. Thick applications will require more time to dry and fully cure.

PRECAUTIONS

Keep from freezing
Observe all safety precautions
Consult Material Safety Data Sheet for details

PACKAGING

5-gal. plastic pails
55-gal. drums
275-gal. plastic totes

KEEP OUT OF REACH OF CHILDREN

SHIPPING POINT

S.T.A.R. PLANTS



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