



# #32-919 Econo Guard - 10 Penetrating Water Based Sealer

## DESCRIPTION

Econo Guard -10 a penetrating, chemically reactive, solvent-free, silane modified siloxane emulsion designed to be a moisture and water repellent for concrete and masonry. Econo Guard -10 contains a special beading agent to enhance water resistance and a catalyst to ensure the optimum chemical reaction necessary for water repellency.

## USES

- Protects exterior concrete and masonry surfaces exposed to salts, acid rain or freeze / thaw cycles including brick, stucco and concrete
- Can be used on both horizontal or vertical surfaces
- Specified for use on all types of concrete flatwork including parking lots, driveways, plazas, patios and walkways
- Municipal applications including median barriers, bridge decks, ramps and concrete pavement
- Protects concrete subjected to chloride attack including marine structures, vehicular repair and wash down facilities, loading docks

## ADVANTAGES

- Prevents chloride ion penetration from deicing chemicals or marine environments
- Prevents spalling of new concrete surfaces due to freeze / thaw cycling
- Penetrates deeply and chemically reacts with concrete and masonry for long lasting protection. Penetrates 1/16 - 3/8 inch (1.6-9.5 mm) depending on the substrate
- Seals pores and capillaries of substrate preventing liquid absorption while allowing excellent vapor transmission
- Protects reinforcing steel from corrosion caused by water or airborne salts
- Does not alter the appearance or texture of substrate
- Suitable for architectural and light colored surfaces

## TECHNICAL DATA

V.O.C. Content <200 gm/L  
 Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59  
 Econo Guard -10 has been tested for the following performance standards:

Test	Control (% Reduction)	Econo Guard -10 (% Reduction)
Weight Gain		
NCHRP 244	0%	88%
Chloride Ion Content		
NCHRP 244		
Northern Exposure	0%	94%
Southern Exposure	0%	98.9%
Scaling Resistance		
ASTM C-672	—	Passes
Appearance when dry:		Clear
Water Repellency- Wind Driven Rain Conditions		
ASTM E-514		100% Reduction
Drying Time:	@ 70°F (21°C)	24 hours
	@ 50°F (10°C)	48 hours
Solids		10%
Accelerated weathering (QUV - 1500 hrs)		no change
Specific Gravity:		0.78-0.79 @ 25°C

## PACKAGING

Econo Guard -10 is packaged in 5 U.S. gallon (18.9 l) pails.

## ESTIMATING GUIDE

Coverage is dependent upon surface texture and porosity.

	Ft. <sup>2</sup> /gal	M <sup>2</sup> /L
Brick	100-150	2.5-3.7
Cement Stucco	100-150	2.5-3.7
Concrete	100-150	2.5-3.7
Exposed Aggregate	100-150	2.5-3.7
Precast	125-150	3.0-3.7

## DIRECTIONS

**Surface Preparation:** Substrates to be sealed must be a minimum of twenty-eight days old or fully cured. Surface temperature must be a minimum of 45°F (7°C) and rising with an ambient temperature of 50°F (10°C). Do not apply to frozen or frosted surfaces.

Surface must be clean and free from dirt, dust, laitance, oil, grease, paints, alkali, efflorescence, curing or sealing compounds, tilt up bond breakers or other contaminants which would prevent proper penetration.

Extremely dense surfaces such as burnish trowelled floors or hard fired masonry units may be given a light acid wash to promote adequate penetration.

Protect vegetation and any metal or glass adjoining substrate from overspray. If spills or overspray occur, wipe hard surfaces immediately with a cloth and mineral spirits. Thoroughly rinse vegetation with water.

**Repairs:** All cracks and deteriorated surfaces should be repaired prior to application of Econo Guard -10. Joints and channels should be taped or filled to prevent later adhesion problems. Repoint any loose or disintegrated mortar and allow 72 hours drying time before application.

**Mixing:** Econo Guard -10 is packaged ready to use and requires only mild agitations or stirring prior to use.

**Application:** Apply Econo Guard -10 with a low pressure, airless sprayer generating 15 psi and equipped with a fan nozzle or use a roller. Follow recommended application rates listed above. A small test area is recommended on surfaces where aesthetics are important to ensure that product application will not change the appearance of the substrate. The test area should be allowed to cure for 24 hours prior to general application of the product.

On vertical surfaces, allow a 6 inch (15 cm) minimum run down, not to exceed 12 inches (30 cm). Excessive rundown or over application may cause discoloration of the substrate.

Horizontal surfaces may be opened to traffic as soon as substrate is dry, usually 1 hour at 72°F (22°C) with 50% R.H.

## CLEANUP

Clean tools and equipment used to apply Econo Guard -10 with detergent and warm water before material dries.

## STORAGE

Do not allow to freeze. Store Econo Guard -10 in tightly closed containers in warm, dry area. Econo Guard -10 must be stored at temperatures between 50°-90°F (10°-32°C). Shelf life of properly stored material is one year from date of manufacture.

## LIMITATIONS

- Do not apply when surface temperature is below 45°F (7°C) or ambient temperature is below 50°F (10°C) or above 100°F (38°C).
- Do not apply to wet or damp surfaces or if rain is expected within 4 hours of application.
- If joints or channels are to be filled at a later date, tape or mask prior to application to prevent adhesion problems.
- Variations in the texture and porosity of the substrate will effect the coverage and the performance of the product.
- Econo Guard -10 is a penetrating sealer designed to reduce the intrusion of water and salts. It is not a waterproofing membrane and thus cannot be expected to bridge cracks or joints in the concrete.
- All label precautions and the MSDS must be fully understood before using this product. Make certain that the most current versions of the product data sheet and MSDS are being used. Proper application is the responsibility of the user. Bon Tool Co. can only make technical recommendations and cannot provide quality control on the jobsite. Proper application is the responsibility of the user.