



# BeauGuard Armor

## *All Green Industrial Coating*

BeauGuard Armor is a water-based, single component, advanced, high performance, ultra-bright white, waterproof coating, which may be applied as one coat or multiple coat system to provide a wide range of asset protection.

## Intended Uses

BeauGuard Armor is designed as a marine grade coating for heat reduction, waterproofing and corrosion protection. It may be applied on a wide range of clean dry and stable surfaces.

### Advantages:

- Forms a strong yet flexible coating, which protects and strengthens assets, adding years of life.
- Excellent adhesion too many substrates.
- Excellent UV resistance.
- Provides ware-resistant and puncture protection.
- With 97% reflective Ultra-bright white gloss finish, our coating will save a substantial amount of energy and our surface temperature will not go above 105 degrees usually staying a lot cooler, in direct sun light.
- Typical results, our coating will save our customers an average of 30% energy savings.
- BeauGuard Armor will with-stand extended periods submerged under water.
- BeauGuard Armor may be painted or custom colored.
- BeauGuard Armor may be spot repaired using BeauGuard Armor to repair itself.
- 15 Year Limited Warranty with annual maintenance.

## Practical Information

Color	White, May be custom colored	
Gloss Level	High Gloss	
Volume Solids	45%-47%	
Typical Thickness:		
	One Coat Wet	550-600 microns (22 - 24 Mils)
	One Coat Dry	247.5-282 microns (9.9 - 11.28 Mils)
	Thickness is dependent on end user and specific system requirements. Consult the relevant application guidelines.	
Theoretical Coverage	72.7 - 66.6 sq. ft. / US Gallon at 9.9 - 11.28 Dry Mils.	
	6.75 - 6.19 m2 / 3.78 Liters at 247.5 - 282 Dry microns	
Practical Coverage	Allow appropriate loss factors	
Method of Application	Airless spray, Air spray, Brush, roll or dipped.	
Drying Times:	(Must not Freeze during Drying Process)	
	Temperature	<50F <10C
	Touch Dry	1-4 Hours
	Hard Dry	12-18 Hours
	Complete Cure	7 Days
	Recommended Top Coats	Min. 2 Coats No Maximum

Regulatory Data

Flash Point	N/A	
Product Weight	10 lb.s/Gallon	1.21kg/Liter
VOC	>50 Grams	
Boiling Point	212F	100C
Specific Gravity H2O-1	1-1.2	
Vapor Pressure (mm Hg)	17mm Hg at 20C	
Melting Point	32F	0C
Vapor Density (air-1)	>1	
Evaporation Rate	>1	
Appearance and Odor	White viscous liquid	Low Odor

Surface Preparation

- All Surfaces to be coated must be clean, dry and free from contaminates.
- Prior to application of BeauGuard Armor all surfaces should be assessed and treated.
- Replace structure may be necessary.
- Oil or Grease should be removed.
- Rusted surfaces must be de-scaled and converted using BeauGuard Defense on rusted areas only.
- BeauGuard Defense may not be coated until 12 Hours of dry time has elapsed.
- BeauGuard Bond is used to add adhesion and BeauGuard Bond Plus is for stain blocking.
- BeauGuard Bond and BeauGuard Bond Plus may be coated after its dry to the touch.



## Use of product

<b>Mixing</b>	Product may need to be mixed using paddle drill.
<b>Mix Ratio</b>	Product is single component, no other parts needed.
<b>Working Pot Life</b>	is 1-2 Hours depending on weather conditions.
<b>Pot Life</b>	is 1-5 Years depending on storage conditions.
<b>Airless Spray</b>	Recommended 1-2 GPM Minimum, 3/8 or larger hose, 25-35 tip size.
<b>Air Spray pressure pot</b>	Suitable
<b>Brushed or rolled</b>	Suitable
<b>Thinner</b>	Not required or recommended.
<b>Cleaner</b>	Cleans up with water, other cleaners may be use acetone.
<b>Work Stoppages</b>	Make sure product is protected from the sun and open air. You may leave product charged in spay machine 1-2 Hours in shaded area. Spray machine, and hoses must be kept out of direct sunlight. Keep all material covered so air may not dry the product.
<b>Clean Up</b>	Clean all equipment immediately after use with water. Dried material may be cleaned with Acetone, or Lacquer Thinner. All surplus material may be saved and used at a later time.

## Product Characteristics

<b>Surface temperature</b>	Must always be a minimum of 5deg.F or 3deg.C above dew point.
<b>Application</b>	Multiple thin coats are recommended, before final thick coat is applied.
<b>Ventilation</b>	Ensure adequate ventilation in confined spaces.
<b>Curing time</b>	May be reduced providing forced air ventilation.
<b>Final thickness</b>	Dry film should be free of pin holes or holidays.

## Safety Precautions

This product is intended for use by professional applicators in industrial situations in accordance with the advice given on this this sheet and SDS (Safety Data Sheet) provided by Briteworks Global Services LLC.

When Spaying protect from over spay and particles. Respiratory protection recommended N95 or P100 particle filter air-purifying mask/cartridge (NIOSH/MSHA). Goggles are recommended and cover skin to protect from over spray.

If in doubt regarding the suitability of use of product consult, Briteworks Global Services LLC.

Pack size

Unit sizes	Unit Weight
5 US gallons Plastic Buckets, 18.92 Liters	51 pounds   23.13 kilograms
55 US gallons Plastic Drums, 208.19 Liters	561 pounds   254.46 Kilograms
250 US gallons Plastic Totes, 946.35 Liters	2550 pounds   1161.196 kilograms

Shelf life 1-5 years depending on conditions, must protect from freezing and over heating.  
Store In a cool dry shaded area, annual inspection recommended.

Information provided in this Technical data sheet is based on the present state of our knowledge of EC and national laws. It provides guidance and safety of the use of our product and should not be construed as any guarantee of technical performance or suitability for particular application. Although our data sheet are based on information at this moment, and are believed as reliable, we cannot assume any responsibility for use thereof, nor do we accept any liability for loss or damages directly or indirectly caused by our product, the user is responsible to check safety, quality and all other prosperities of this product before use.