

## *ES-EcoCoat*

*EcoCoatings* are silane compounds designed to give the best protection available against environmental damage such as corrosion from saltwater exposure, sulfuric acid, rust, freezing, alkaline aggregate reaction, and more.

*ES-EcoCoat* contains no volatile organic compounds (VOCs) and is inorganic. Once applied, it absorbs water from the atmosphere, forming an inorganic polymer that becomes increasingly harder. The compound is an extremely small molecule, and seeps into almost any crack or gap in the underlying substrate and forms an adhesion that will not fail. Concrete, for example, will tear apart before the EcoCoat will separate. Even surfaces, which are typically hard-to-adhere, like aluminum, are not a problem.

Applying *ES-EcoCoat* over zinc primer (EcoUSA #A200) enhances durability and performance by 20%. Both materials may be applied by either brush or sprayer. Since *ES-EcoCoat* contains no VOCs, work hazards are greatly diminished. Primer application on new materials, requires approximately 100 g per square meter (clear) or 150 g per square meter for colors. After application of the primer, the *ES-EcoCoat* should be applied within 24 hours. Application amounts for materials with old paint or galvanizing are somewhat higher.

*ES-EcoCoat* protects nearly any building material from outdoor exposure. Resistance to salt water degradation (i.e. docks, pilings, and even boat hulls). Steel for infra-structure (i.e. highway bridges and overpasses) are excellent candidates. Sewage pipes benefit from *ES-EcoCoat's* protection against sulfuric acid.

Product life-cycle reviews note the significant time and money saved over a traditional coatings, process, since products no longer have to be shipped to an outside source for galvanizing. Expected lifetimes for *ES-EcoCoat* are 20 years for colors and 40 years for the protective aspects of the coating itself.

Warranty declaration upon request.  
Distributed throughout North and South America.

EcoUSA   
Bluewater Technologies Authorized Distributor



## STANDARD COATING MANUAL FOR CS-COAT F-200 & A-200

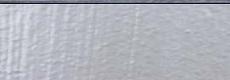
Step		Tools	Paint/m2, film thickness & remarks	Appearance	Interval
Base metal	Iron Stainless steel		Clean the surface and remove old paint in advance		
Surface preparation	SP-2 (SSPC)	Wirebrush, Sand paper Power tool, etc.	Remove peeling rust on the surface, powder rust, and oil and fat		
Under coating	A-200	Brush, Roller, Spray	150g/m2, 75 μ m		1 hr to 24hrs after preparation
Finishing	F-200	Brush, Roller, Spray	120g/m2, 60 μ m		2hrs to 24hrs after undercoating

\* Color of under coating is silver gray only and of finishing coating is selectable as demanded.

\* Time till finger touch drying is approx. 1hr.

\* Time till complete drying is approx. 2 to 4 weeks dependent on temperature and humidity.

Finishing : Required color

Step		Tools	Paint/m2, film thickness & remarks	Appearance	Interval
Base metal	Zinc plated steel		Clean the surface in advance.		
Surface preparation	SP-2(SSPC)	Wirebrush, Sand paper Power tool, etc.	rough the surface and remove oil and fat.		
Under coating	A-200	Brush, Roller, Spray	150g/m2, 75 μ m		1 hr to 24hrs after preparation
Finishing	F-200	Brush, Roller, Spray	120g/m2, 60 μ m		2hrs to 24hrs after undercoating

Notices: \* After taking out the required amount of paint, seal the vessel rapidly and keep it in a dark and cool place.

\* This sealer does not require dilution.

\* EcoCoat hardens by absorbing moisture from the air.

\* Coating works should be done at air temperature 5°C to 35°C.

\* Drying(hardening) time is dependent on temperature and humidity.

\* Coating that are too thick may crack or peel.

Finishing : Required color