



Eco-friendly water-based inorganic solution
delays the occurrence of white rust (black rust) in galvanizing

HG-100

HG-100 is a water-based inorganic clear coating that can delay white rust (black rust) of galvanized products and improve corrosion resistance.



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HG-100 is an eco-friendly coating agent that is safe for workers with a water-based transparent inorganic solution. It does not contain harmful VOCs and does not detect RoHS six major heavy metals.

Inorganic particles of **HG-100** penetrate and combine in the galvanized layer to suppress zinc with a high initial oxidation rate. This delays the occurrence of white rust and black rust problems of galvanizing and improves corrosion resistance.

HG-100 Use

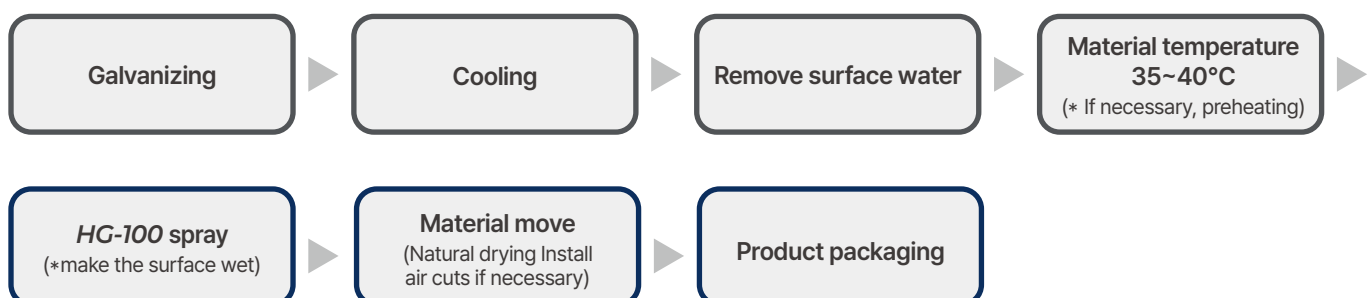
- Preventing of zinc oxidation after galvanizing (white rust, black rust)
- Improving corrosion resistance
- Galvanized products (ex. round tubes, square tubes etc.)



HG-100 Specification

Color	Clear, transparent	PH	10~10.5
Smell	No smell	VOCs	Near 0
Solid content	5±0.5%	Application	AIR, AIRLESS SPRAY, DIPPING
Thickness	Under 0.5µm	Solution usage	Use the solution as it is
Viscosity	Equal to water	Storage period	12 months from the date of manufacture (*Never freeze it when storing it as a water-based product.)

HG-100 Process



HG-100 Application advantage

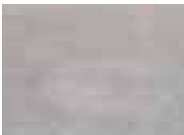
- **Eco friendly** : It does not contain odors, harmful chemicals, and organic ingredients, creating a clean and safe working environment.
- **Corrosion Resistance** : Anti-zinc oxidation effect improves the corrosion resistance of galvanizing.
- **Maintain appearance** : Minimize claims issues by delaying the occurrence of white and black rust.
- **Subsequent attachment** : Improves subsequent user performance by not including oil and organic ingredients (e.g. paint)

HG-100 Corrosion resistance

Hot dip galvanized steel wire corrosion test (Salt water spray test)

	Hot dip galvanized steel wire	Hot dip galvanized steel wire + <i>HG-100</i>
Salt water spray test N.S.T After 192hr		
		

Hot dip galvanized test piece corrosion test (Salt water spray test)

	Before Test	SST 10hr	SST 24hr	SST 48hr	SST 72hr	SST 120hr
Hot-dip galvanizing						
Hot-dip galvanizing + Cromate						
Hot-dip galvanizing + <i>HG-100</i>						

Hot dip galvanized circular tube corrosion test (Salt water spray test)

	Before Test	SST 24hr	SST 120hr	SST 240hr
Hot-dip galvanizing				
Hot-dip galvanizing + Banish				
Hot-dip galvanizing + <i>HG-100</i>				



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