



HG-W100

*HGI Environmentally friendly water-based inorganic coatings
to delay white rust and improve corrosion performance*



Eco-friendly water-based inorganic solution delays the occurrence of white rust and enhances the corrosion resistance of HGI products.

HG-W100 is a water-based transparent mineral solution that is safe for workers. It does not contain hazardous chemicals, harmful VOCs, and RoHS 6 heavy metals. The inorganic particles of HG-W100 penetrate and bind to the plating layer, inhibiting zinc, which has a high initial oxidation rate. the initial oxidation rate of zinc. This delays the whitening problem of galvanizing and improves corrosion resistance.

HG-W100 Use

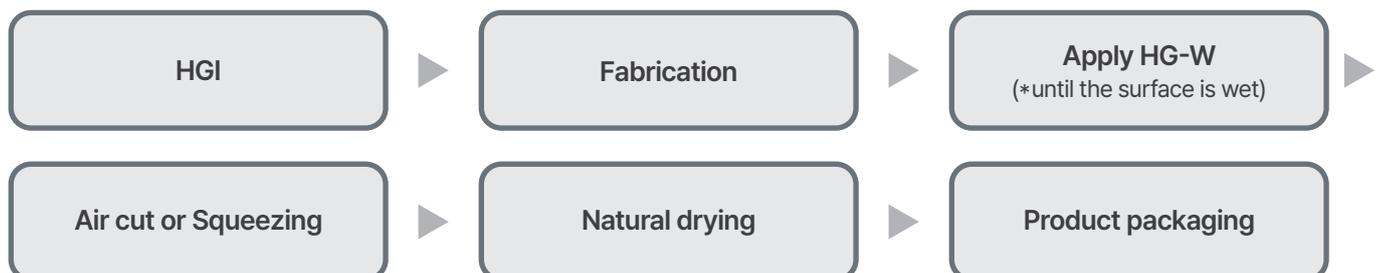
- Prevent whitening and blackening caused by zinc oxidation during storage or use of HGI pipe caused by zinc oxidation during storage or use.
- It is excellent for improving the corrosion resistance of HGI products.
- Applicable to HGI products (ex. round pipe, square pipe, etc.)



HG-W100 Product Characteristics

Appearance	Colorless and transparent	PH	10.5
Odor	None	Specific Gravity	1.04
Solids	3.30±0.5%	Application Method	SPRAY, DIPPING
Processing thickness	Under 0.5µm	Solution	Use as supplied
Viscosity	Same as water (9S)	Shelf life	12 months from date of manufacture <i>(*never freeze when stored as a water-based product)</i>

HG-W100 Applying Process



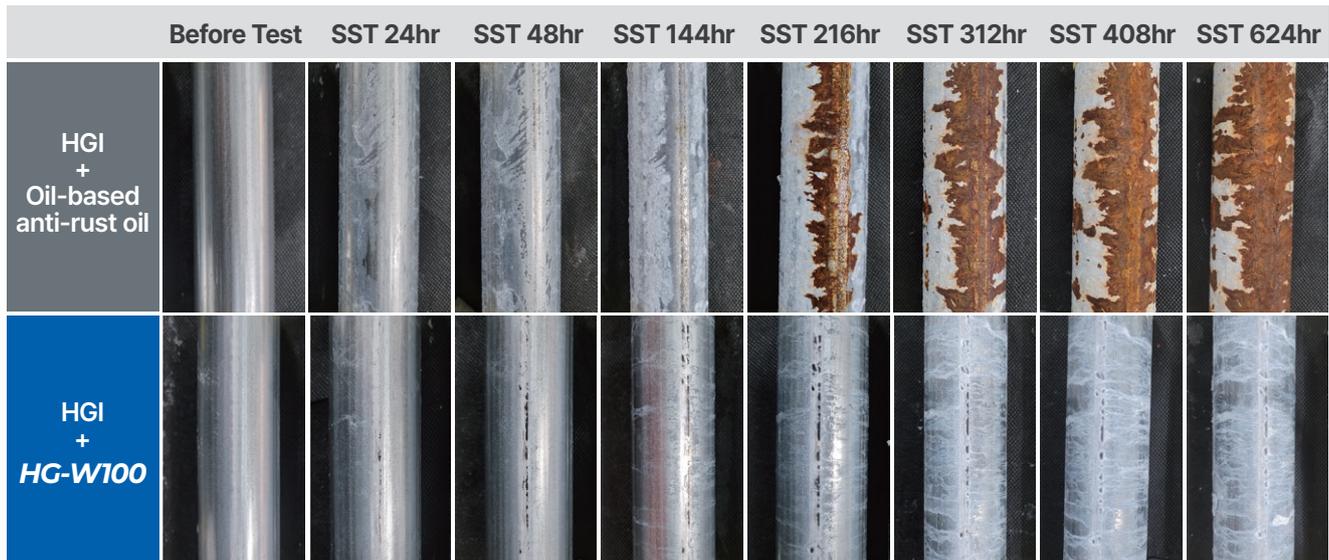
** Water based Forming agent are recommended for HGI processing*

Forming agent of *HG-W100*

- **Eco-friendly** : Does not contain odor, harmful chemical solvents, or organic ingredients, creating a clean and safe work environment.
- **Corrosion resistance** : Improves the overall corrosion performance of galvanized steel by preventing zinc oxidation.
- **Appearance maintenance** : Minimizes claims issues by delaying the development of white and black rust.
- **Subsequent adhesion** : Does not contain oil and organic components, improving the subsequent use performance of users. (ex. paint)

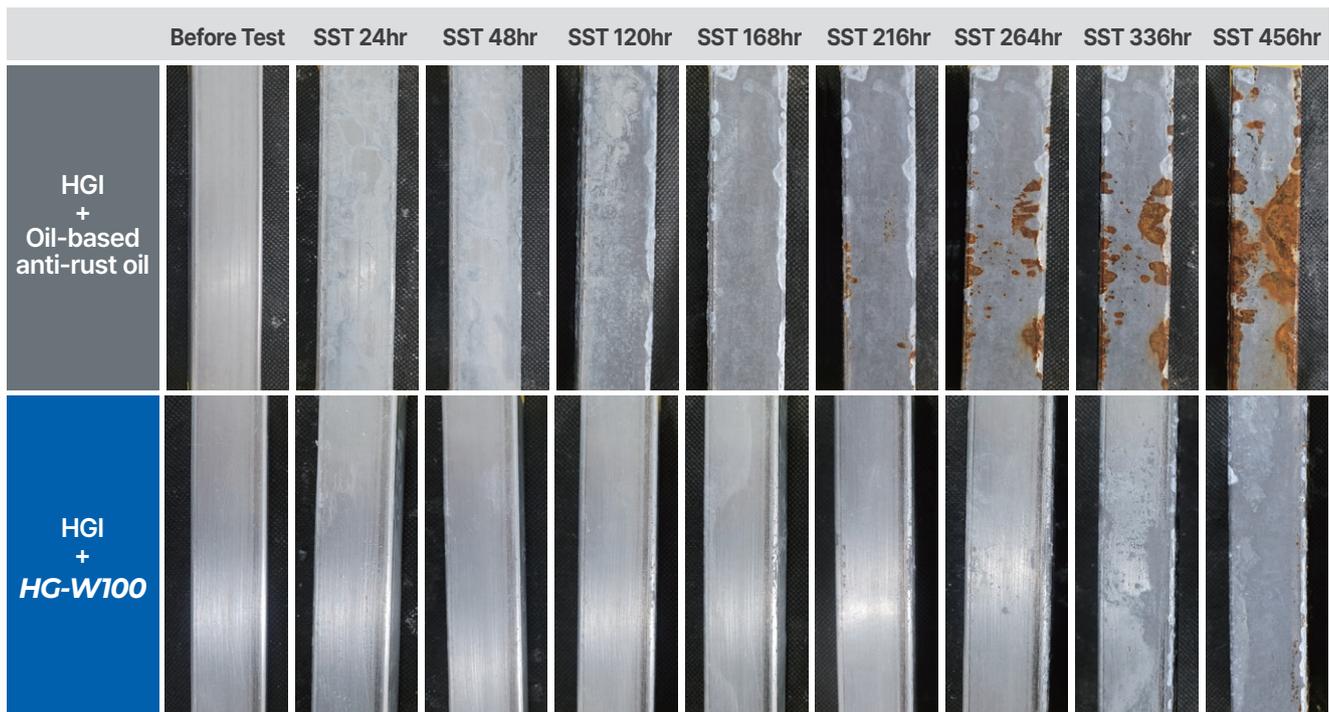
Corrosion resistance of *HG-W100*

➤ Evaluation of round pipe corrosion performance (salt spray test)



Test Method : [ASTM B 117] Salt spray test (35°C, 5% NaCl)

➤ Evaluation of square pipe corrosion performance (salt spray test)



Test Method : [ASTM B 117] Salt spray test (35°C, 5% NaCl)



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