

G+PLUS

Clear coating for galvanizing corrosion resistance enhancer

BTX FREE : Does not contain benzene, toluene, or xylene

Corrosion resistance enhancement clear coating agent for galvanized steel(HDG, EG)



KEMP
The Next Galvanizing Tech



G+PLUS

Clear coating for galvanizing corrosion resistance enhancer

It is a colorless and transparent coating agent that provides long-term protection of galvanizing and greatly improves corrosion resistance performance by physicochemical reaction of ceramic solution with galvanizing layer. It can be replaced as a chromate post-treatment agent for hot-dip galvanizing and electro-galvanizing.

G+PLUS Characteristics



Strong durability

- Effectively reacts and binds with zinc to stabilize, inhibit oxidation and inhibit elution of zinc to improve service life
- When coated over galvanized steel, **performance is enhanced by more than twice** the original level
- Maintains beautiful surface for a long time as no white rust occurs



Easy to use with short drying time

- Spray-on type that **naturally cures at room temperature**
- Dries within 15 minutes after spraying



Maintains surface despite UV exposure

- Resistant to outdoor natural environments** such as sunlight, temperature, humidity, rain, etc.
- The coating film created by combining with zinc improves weather resistance



Safe coating agent without hazardous chemicals

- Ceramic binder-based repair solutions that **do not contain high-risk solvents** such as xylene, toluene, ethylbenzene, etc.
- Eco-friendly coating that do not use hazardous chemicals** such as heavy metals that are harmful to human health.

G+PLUS Safety and Sustainability

Safety Standard Compliance Declaration Certificate

Safety Verification of Household Chemical Products

RoHS Test Report

- 'Non-detection' of 7 items including formaldehyde, acetaldehyde, benzene, etc.
- RoHS test 'Not detected' for 26 items including Pb, Cd, Hg, Cr6+, etc.

G+PLUS High Corrosion Resistance

Electro-galvanizing vs G+PLUS Salt Spray Test (SST)

KTR KOREA TESTING & RESEARCH INSTITUTE

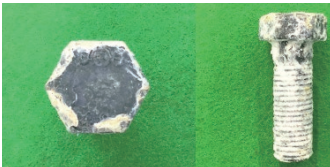
method	Before test	SST 480hr	SST 720hr
Electro-galvanizing			
Electro-galvanizing + GPLUS			

Test Method : [ASTM B117] NaCl 5% / 35℃

- **Electro-galvanizing only** : White rust and some red rust occurred at 480 hours of salt spray, and red rust occurred on the whole surface at 720 hours
- **With GPLUS coating** : No abnormalities on the surface with no white rust and red rust at 720 hours of salt spray test

Hot-dip galvanizing vs G+ PLUS Salt Spray Test (SST)

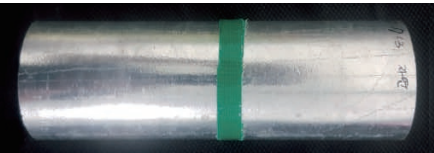
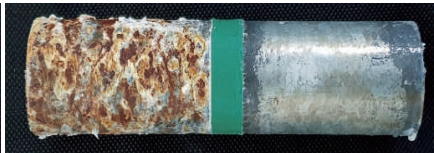
KTR KOREA TESTING & RESEARCH INSTITUTE

method	Before test	SST 480hr	SST 1,000hr
Hot-dip galvanizing			
Hot-dip galvanizing + GPLUS			

Test Method : [ASTM B117] NaCl 5% / 35℃

- **Hot-dip galvanizing only** : white rust and some red rust occurred at 480 hours of salt spray, and white rust and red rust occurred on the entire surface at 1,000 hours
- **With GPLUS coating** : No abnormalities on the surface with no white rust and red rust even after 1,000 hours of salt spray test

Hot-dip galvanizing vs G+ PLUS on Pipe Salt Spray Test (SST)

Before test		SST 1,000hr		SST 1,500hr	
					
Hot-dip galvanizing + chromate	Hot-dip galvanizing + GPLUS	Hot-dip galvanizing + chromate	Hot-dip galvanizing + GPLUS	Hot-dip galvanizing + chromate	Hot-dip galvanizing + GPLUS

Test Method : [ASTM B117] NaCl 5% / 35℃

- **Hot-dip galvanizing only** : white rust and red rust on the entire surface after 1,000 hours of salt spray test
- **With GPLUS coating** : No abnormalities on the surface with no white rust and red rust even after 1,500 hours of salt spray test

G+PLUS product type

Can Spray	420ml	Jerry can	18L	Barrel	180L
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G+PLUS

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ROC-3

Removes rust and oil from metal surfaces

This product is certified as a household chemical and is less harmful to humans to be used in the home. It can be used as a pre-treatment for repairing structures in the field where rust has occurred.

type	Application area	How to use	Formulation
ROC-3 Liquid	Large contaminated areas	Dip or apply	Liquid flowing formulations
ROC-3 Gel	Specific areas of contamination require precise action	Brush	Gel-like, non-drip formulations



G+PLUS

Performance enhancer for Electro galvanizing and Hot-dip galvanizing

A transparent coating based on an inorganic binder to strengthen the corrosion resistance performance of galvanizing and prevent rust. It is a breakthrough in improving the performance of galvanizing materials and provides long-term protection for galvanizing and significantly improves corrosion resistance.



G·SAVE

Corroded galvanizing, steel structure repair coating

Metallic silver colored coating with high zinc powder content.

It is suitable for corroded areas, cuts, and welds of galvanizing or steel structures, and can be applied for galvanizing iron due to its high zinc content.



Innotouch

Touch-up coating agent for galvanized surface

A bright metallic silver colored coating that contains zinc and aluminum powder. It is suitable for cosmetic damage such as surface scratches and blackening of galvanized materials and is effective in preventing corrosion and improving corrosion resistance of damaged areas.

