

G·SAVE

Galvanizing, Steel Structure Corrosion
Resistance Improvement Coating

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

Improved corrosion resistance of galvanized and
steel structures zinc coating agent



KEMP
The Next Galvanizing Tech



G·SAVE

Galvanizing, Steel Structure Corrosion Resistance Improvement Coating

G·SAVE is a silver colored coating that is applied to areas where galvanizing has been lost and rust has developed, where the rich zinc and ceramic coating chemically bonds to the iron to prevent corrosion. It is also suitable for galvanizing and for cut and welded areas of steel structures.

G·SAVE Characteristics



Strong durability

- High corrosion resistance achieved through a dual mechanism of corrosion factor blocking and sacrificial anode action
- **Maintains a durable coating layer with excellent surface hardness** even under continuous exposure and drying conditions
- 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



Repair and extend the life of corroded galvanized steel

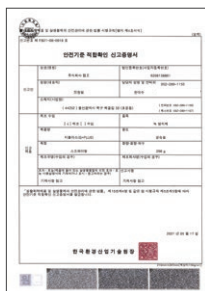
- When used for hot-dip galvanizing repair, **it provides corrosion resistance equal to or greater than new Hot-dip galvanizing**
- Provides effective corrosion protection for repaired areas on steel structures
- The plate-like layered structure prevents the penetration of corrosive agents and enhances shielding performance



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.

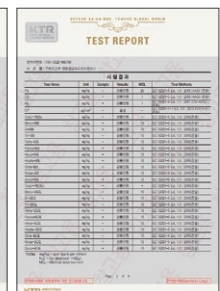
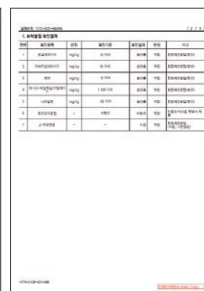
G·SAVE Safety and Sustainability



Safety Standard Compliance Declaration Certificate



Safety Verification of Household Chemical Products



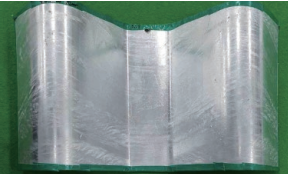
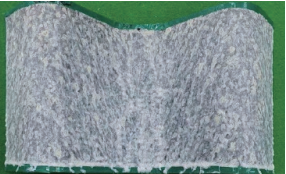
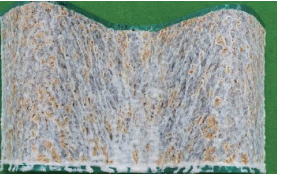
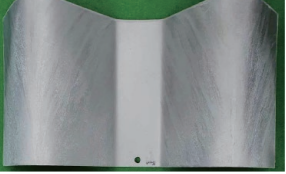
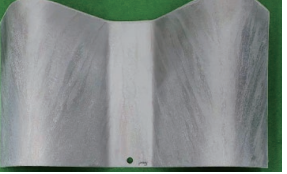
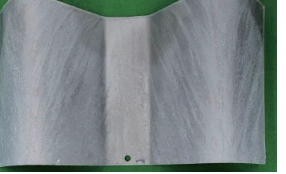
RoHS Test Report

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

■ G·SAVE High Corrosion Resistance

Salt Spray Test (SST)

KTR KOREA TESTING & RESEARCH INSTITUTE

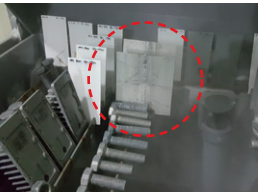
method	Before test	SST 120hr	SST 240hr	SST 480hr
Hot-dip galvanizing				
Damaged Hot-Dip galvanizing + G·SAVE				

Test Method : [KS D 9502] NaCl 5% / 35℃

- **Hot-dip galvanizing only** : White rust on the entire surface at 120 hours, red rust at 480 hours.
- **Damaged Hot-Dip galvanizing + G·SAVE** : No abnormalities on the surface without white rust or red rust even after 480 hours of salt spray test.

Weld Specimen Salt Spray Test

■ KEMP Research Laboratory

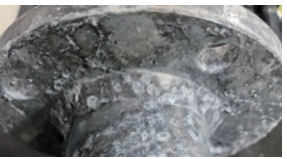
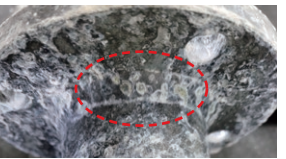
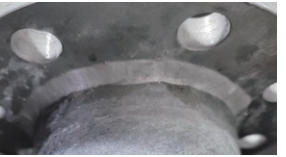
After welding	Remove oxidation layers	Apply G·SAVE	Salt Spray Test	SST 240hr
				

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

- The specimen applied G·SAVE after welding shows no red rust even after 240 hours.
- Suitable for hot-dip galvanizing, electro-galvanizing, and PosMac weld areas.

Flange and Pipe Weldes Area Salt Spray Test(SST)

■ KEMP Research Laboratory

method	Before test	SST 120hr	SST 240hr	SST 400hr
Hot-dip galvanizing				
Remarks : Hot-dip galvanizing (80μm) after welding of black tube pipe and flange				
Ceramic galvanizing + G·SAVE				
Remark : G·SAVE (20μm) on weld heat damage after welding ceramic galvanizing (15μm) pipe and flange				

Test Method : [KS D 9502] NaCl 5%, 35℃ / Flange weld : Steel Grit Φ1mm x 7 bar pressure air

- **Hot-dip galvanizing after welding** : White rust and black rust occurred from 120 hours, red rust occurred at 400 hours.
- **Welding after Ceramic galvanizing + GSAVE touch-up** : No abnormalities observed in the welded area up to 400 hours.

■ G·SAVE product type

Can Spray	420ml	Jerry can	18L	Barrel	180L
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G·SAVE

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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.

