



## Hot dip galvanizing Repair system

### ■ Characteristic

1. Workable on site  
As a self-hardening type, the repair on the site is easy.
2. Eco-friendly coating  
Harmful VOC free, Heavy metal free.  
Cr-Free (Cr6+, Cr3+).
3. Easy coating method  
Spray or roller coating after brushing.  
Dry within 10M after spray or roller coating.
4. High corrosion resistance performance improvement  
SST 1000hrs after HDG' s repaired coating through which result in high corrosion resistance.  
No white rust with good appearance for a long time.

### ■ Corrosion of HDG

1. HDG loses gloss from three months by sacrificial anode method of zinc in general environment, and discoloration starts after 6 months.
2. HDG will lose about 2  $\mu\text{m}$  of zinc layer per year, and zinc layer disappears 10 to 15 years later.  
Red rust is generated at points without zinc layer.  
[In marine environment, corrosion is easier and faster than general environment]



# G-SAVE



Corrosion resistance	HDG repair SST 1000hr
Coating method	Air spray(HVLP), Roller
Working Condition	Room temp. Substance temp. : -5°C~40°C
Dry Condition	Natural dry
	Touch dry within 10min (15~25°C)
Color	Silver

## Repair Status of HDG [ex] Guard rail

### 1. Replace guard rail

HDG guard rails replace the entire guard rail irrespective of the function of the original steel plate when the plated layer functions.

Functionally, there is no problem, but we have replaced some or all of the sections of the guard rail, which is discolored (blackened) by galvanized plating, for road (city) aesthetics.

### 2. Organic paint repair

repair the HDG using organic paint, the white rust will push up the organic paint and peel off the coating within 2 ~ 3 years. Currently, organic paint is not being repaired.

### 3. Absence of repair method

HDG re-plating is not possible. (Disassembly, plating, re-installation is not economical)

Metal paint coating (such as Geomet) is not possible to dry on site. (Heat treatment at 320 degrees for 30 minutes twice)

Powder coating can not be dried on site. (Heat treatment at 200 degrees for 20 minutes)



## Touch up for HDG damaged point [G.SAVE Can spray]



Corrosion resistance	HDG repair SST 700hr
Coating method	Spray
Working Condition	Room temp. Substance temp. : -5°C~40°C
Dry Condition	Natural dry
	Touch dry within 10min (15~25°C)
Color	Silver