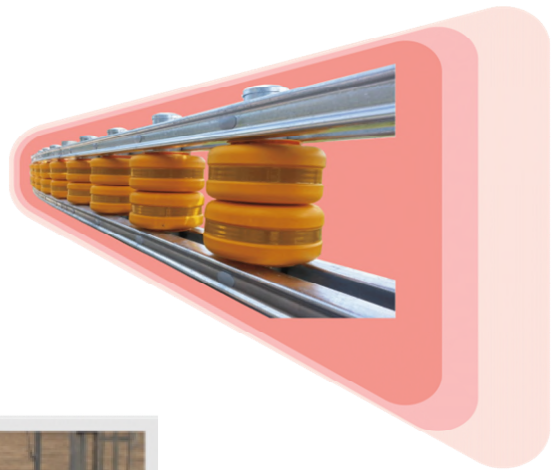


KSR CO.,LTD



Safety Roller

Safety Roller Barrier Crash Test



**Before
collision**

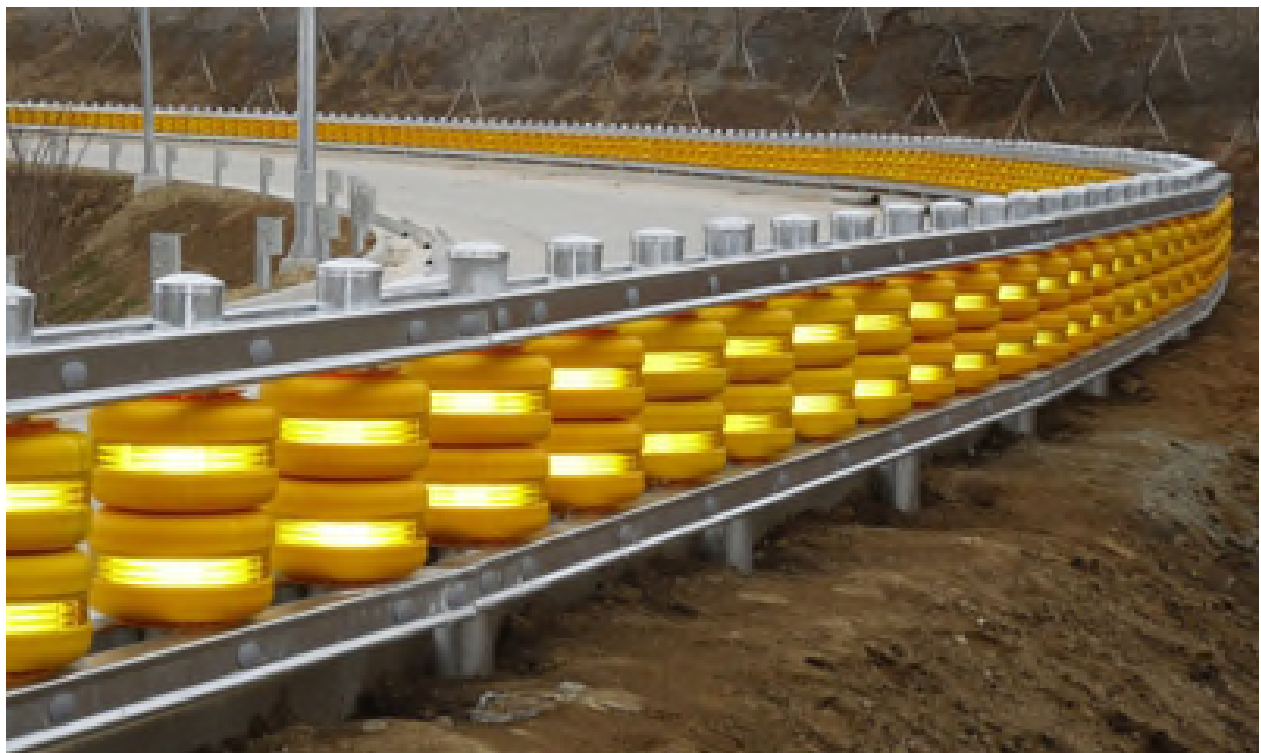


Collision

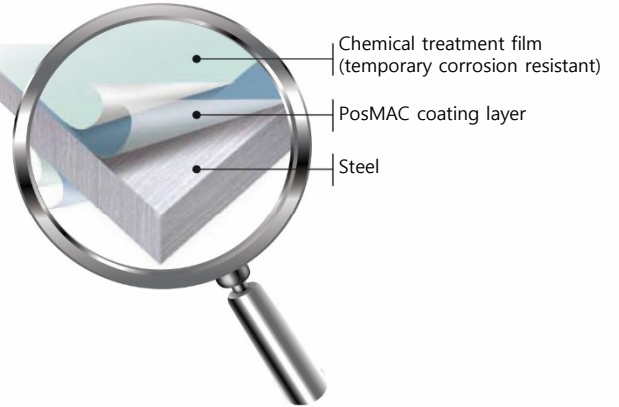


**After
collision**

Safety Roller



What is PosMAC?


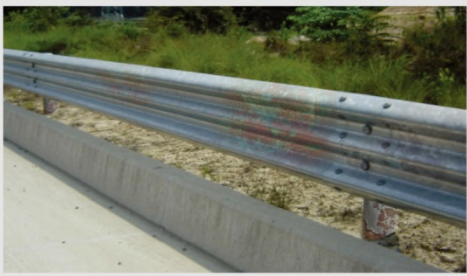

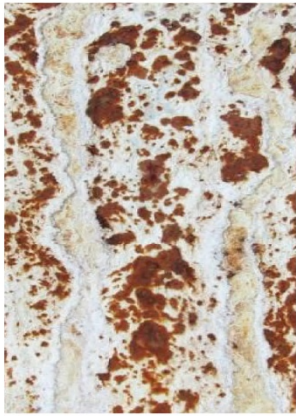


- Innovative High Corrosion-resistant steel plate "PosMAC"
-TERNARY ALLOY COATED STEEL PLATE(ZN-3%, Mg-2.5%, Al)
- 3times higher corrosion-resistant properties than conventional hot-dip galvanized product
- Excellent Anti-corrosive property on the flat surfaces
/Anti-corrosive property on cut edges
/Strong anti-corrosive property against acid rain
- High corrosion resistance against neutral salt
(High efficiency of guardrail at sea side)

◆Corrosion of buried post



◆ comparison between new & old product

	PosMAC	Galvanizing product
	PosMAC Steel	Hot dip galvanized steel
product		
Feature	<ul style="list-style-type: none"> ● High corrosion-resistant alloy coating steel sheet ● magnesium(Mg) + Aluminum(Al) + Zinc(Zn) ● Guidelines of Ministry of Land / Complete revision and announcement of Korea Expressway Corporation's specifications <p>Excellent corrosion resistance on planar portion</p> <ul style="list-style-type: none"> ● Excellent corrosion resistance on planar portion / prevention of corrosion on cutting part ● Strong with acid rain ● Very strong anti-corrosion with salt ● Strong to corrosion from road calcium chloride 	<ul style="list-style-type: none"> ● Plating on steel sheet(molten zinc) ● The life time of the guardrail is about 10 years and getting rust on reclamation post from field(deterioration) ● Early discoloration of bleaching and color after installation in the field ● Large difference with hot dip galvanized appearance quality ● weak with salt and easily come out rust after installation 2 years ● Easy corrosion from road calcium chloride
	PosMAC (275g/m ²)	Hot dip galvanized steel(550g/m ²)
Comparison result of corrosion resistance		
<p>- PosMAC is 3 times higher corrosion-resistant properties than conventional hot-dip galvanized product</p> <p>※ test method : CCT salty water spray test (galvanized product occurred red rust from 90 cycle) (Salty water spray 2Hr -> Dry 4Hr - Humidity 2Hr) Check the sample after 1 cycle</p>		

Road Barrier

Tested "SB4"



KRCSI-GP454-SB4

Size W2000xH855

Material PosMAC+Steel



KRCSI-GP454-SB4-1

Size W2000xH855

Material PosMAC+Steel/Color Type



KRCSI-GP454-SB4-2

Size W2000xH855

Material PosMAC+Steel/Color Type

Road Barrier

Tested "SB3"



KRKSI-GP354-SB3

Size W3000xH880

Material PosMAC+Steel

Tested "SB4"



KRKSI-J-GP454-SB4-1

Size W12000xH880

Material PosMAC+Steel