

## Enhanced qualities. Endless applications.

The pronounced improvement in the quality to resist corrosion, workability and versatility has made GLX the ideal choice for endless design applications. In fact, it is the high corrosion resistance of GLX that makes it extremely suited for harsh weathers and environments such as in coastal regions. In addition, GLX exhibits improved specific strength, yield strength, hardness and lower density as compared to Galvalume, making it excellent in the fabrication of roofing and cladding, coolers, electrical and light fittings, heat plates, solar heating panels, agricultural and automotive equipment and so on.



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**INDIA**

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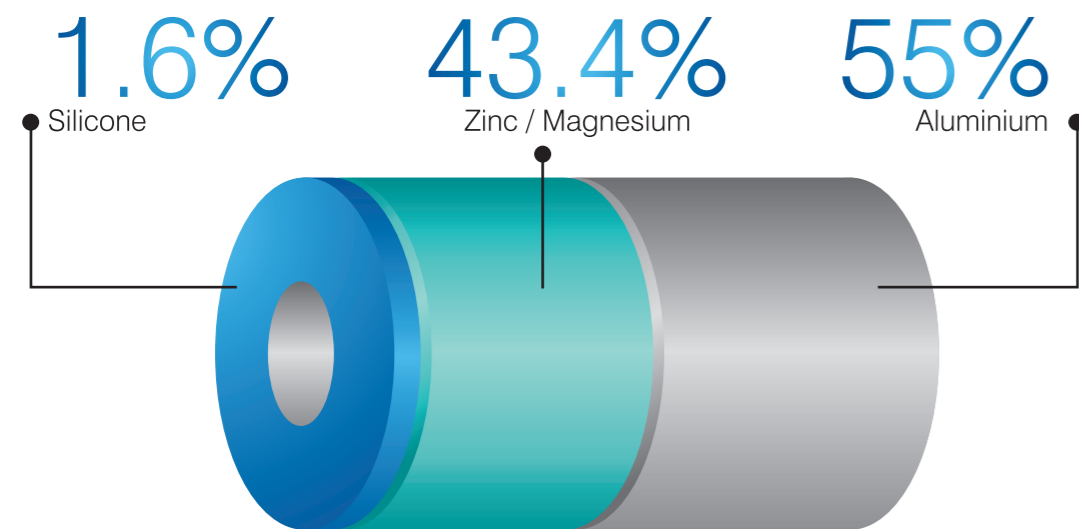
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**GLX**  
Galvalume Steel for the Next Generation

# Leading the way to a colourful tomorrow.

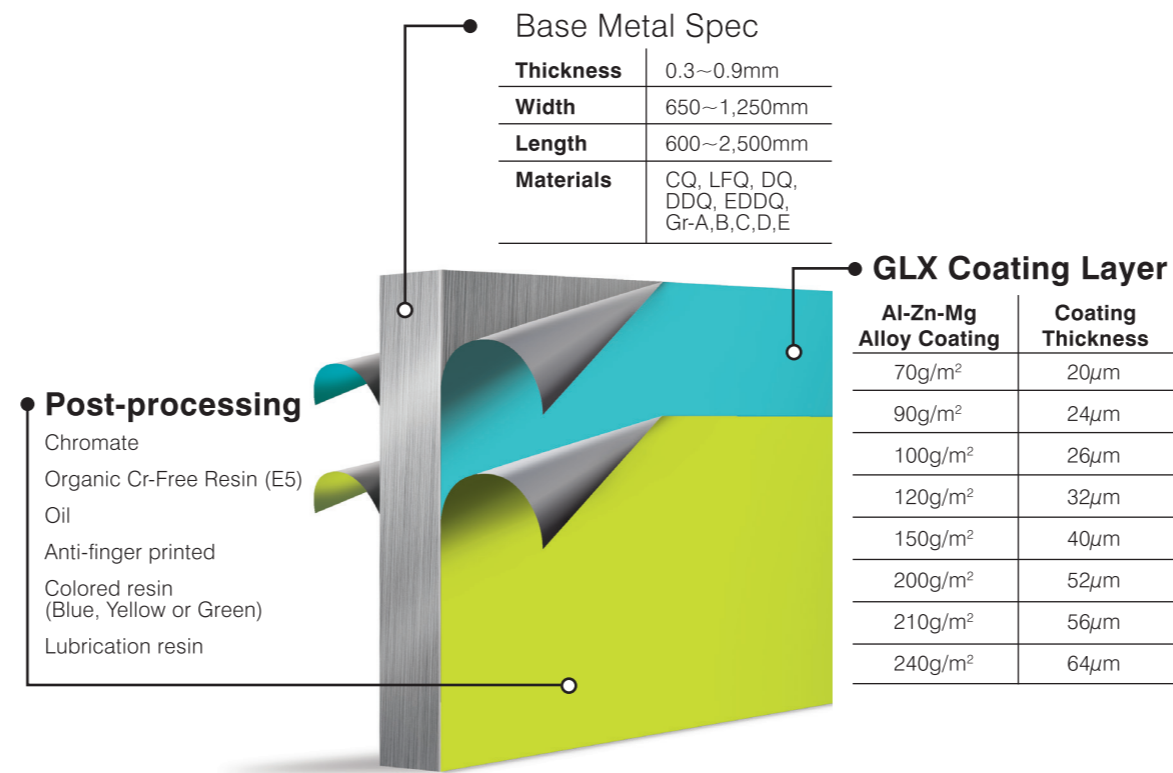
As the next big step when it comes to facilitating only the best for our customers, Geosteel, introduces for the first time in India GLX, or Galvalume Steel for the Next Generation. An exceptionally advanced steel alloy with essentially flawless qualities, it constitutes the base metal for Geosteel Luxury Colour Steel sheets. Perfectly suited for applications that demand extremely high protection to corrosion, GLX arrives in India with improved chemical, physical and mechanical properties.



# Taking Galvalume to the next level.

Galvalume alloy has one major limitation despite its many advantages when compared to galvanised steel. The severe corrosion experienced by the base metal when the alloy is met with any cut or scratched ends. GLX solves this problem with its characteristic self-sealing ability, whereby the extra Mg-Zn layer stabilizes the self-sacrificial reaction of zinc. This significantly improves the corrosion resistance, and hence eliminates the major flaw of Galvalume.

In chemical composition, GLX comprises of 55% aluminium, 43.4% zinc and magnesium and 1.6% silicone. It is produced through hot dip-galvanization process. A layer of magnesium and silicone is created on the surface of Galvalume alloy immersed in molten zinc. This manufacturing process enhances the strength, durability, workability and sustainability of steel and contributes to making GLX the most preferred base metal when it comes to roofing, interior and exterior design applications.



Flat part Corrosion Test

Type	Plated Deposition	Post-processing	500	1,000	1,500	2,500	5,000	6,000	7,000	8,000
GI	120	Chromate								
GI	120	Organic Cr-Free Resin								
GL	180	Organic Cr-Free Resin(5)								
GLX	150	None								

# Glowing features of GLX.

## High performance in corrosion test

The biggest testament to the upgrade in quality of GLX sheets is its performance in Salt spray corrosion test. When Galvalume sheet gets corroded after 400 hours of exposure to a high-saline environment, GLX withstands corrosion for as long as 6000 hours.

## Heat reflexivity

Heat reflexivity of GLX sheets is twice of that of galvanised steel sheets. This property renders coating of the sheets to conserve energy less significant.

## Heat resistance

High aluminium content in the coated layer ensures significantly high heat resistance. This property makes the sheets function effectively even in hot weathers.

## Coating friendly

GLX displays fantastic cohesion between the coated surface and paint, thereby negating the need of any additional preprocessing.