

Galvanised Steel properties



Galvanised steel is steel that has been coated with a protective layer of zinc to prevent rust and increase durability. The galvanising process creates a strong protective layer that gives the metal an extra layer of protection.

Galvanised steel offers a cost-effective, durable, and versatile solution for roofing and building projects. Its high structural strength makes it suitable for demanding applications. Minimal maintenance and excellent value compared to premium metals makes Galvanised steel one of the most practical and economical choices for both residential and commercial construction.

MATERIAL PROPERTIES

PROPERTY	DESCRIPTION
Corrosion Resistance	The zinc protective layer gives good corrosion resistance but can degrade in coastal/ marine environments
Formability	Good formability, although thicker hot-dip coatings reduce the formability
Weldability	Weldable, with appropriate preparation & ventilation
Surface Appearance	Spangled, matte or smooth zinc coating; industrial look
Durability / Lifespan	20–50+ years depending on zinc thickness & environment
Thermal Conductivity	Low
Magnetic	Yes (steel-based)
Strength	High Strength
Cost	Low (compared to premium metals such as stainless or aluminium)
Recyclability	Fully recyclable

METAL COMPATIBILITY

Not all metals can be used together. So before choosing to use galvanised steel products, please scan the QR code to view our Metal Compatibility Matrix and make sure you choose compatible material.



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