

Metal compatibility



When using coated steel products it is important to note that some metals are incompatible and can lead to corrosion where direct contact between incompatible material, or where water run off occurs from one product to another. Copper, stainless steel and lead are particularly corrosive.

Direct contact compatibility

Always consider the composition of fasteners and accessories such as screws, washers etc to reduce the risk of corrosion.

	ZINCALUME	GALVANISED	ZINC	COLORBOND*	COLORBOND Stainless Steel	Stainless Steel	Aluminium Alloy	Copper & Copper Alloys	Lead
ZINCALUME	YES	YES	YES	YES	NO	NO	YES	NO	NO
GALVANISED	YES	YES	YES	YES	NO	NO	YES	NO	NO
ZINC	YES	YES	YES	YES	NO	NO	YES	NO	NO
COLORBOND*	YES	YES	YES	YES	NO	NO	YES	NO	NO
COLORBOND Stainless Steel	NO	NO	NO	NO	YES	YES	NO	NO	NO
Stainless Steel	NO	NO	NO	NO	YES	YES	NO	NO	NO
Aluminium Alloy	YES	YES	YES	YES	NO	NO	YES	NO	NO
Copper & Copper Alloys	NO	NO	NO	NO	NO	NO	NO	YES	NO
Lead	NO	NO	NO	NO	NO	NO	NO	YES	YES

* COLORBOND steel, COLORBOND ULTRA steel, COLORBOND METALLIC steel

Drainage from upper to lower surfaces

It is important to consider metal surfaces when designing your drainage systems, and ensure you choose compatible products to avoid damage to coated steel products.

LOWER ROOF DRAINAGE SYSTEM	UPPER SURFACES, ACCESSORIES OR FASTENERS									
	ZINCALUME	GALVANISED	ZINC	COLORBOND*	COLORBOND Stainless Steel	Stainless Steel	Aluminium Alloy	Copper & Copper Alloys	Lead	Glazed roof tiles, Glass & Plastic
ZINCALUME	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES
GALVANISED	NO	YES	YES	NO	NO	NO	NO	NO	YES	NO
ZINC	NO	YES	YES	NO	NO	NO	NO	NO	YES	NO
COLORBOND*	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES
COLORBOND Stainless Steel	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Stainless Steel	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Aluminium Alloy	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES
Copper & Copper Alloys	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Lead	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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Aside from metals, other materials that can cause erosion include:

- Carbon (in pencils, rubber and some fastening products)
- Chemically treated timbers
- Wet and dry concrete
- Soils and vegetable matter
- Cleaning agents

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