

DISSIMILAR METALS

When two different metals are in contact in moist conditions, accelerated corrosion known as galvanic corrosion may occur. This will also occur when rainwater flows off one metal onto another.

Some metals are more compatible than others. The list of metals in the diagram below, are in order of their likely degree of corrosion. Two metals in contact with each other, which are close together on the list, will corrode more slowly than two metals which are wide apart on the list, ie:

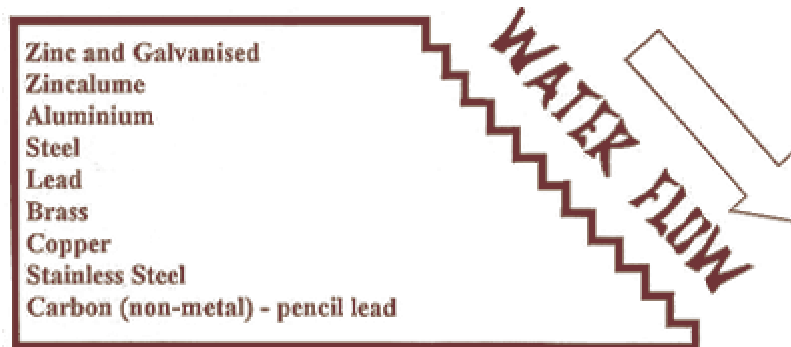
Zincalume with Aluminium flashings (AL Edge). These metals are adjacent on the list and therefore will not cause accelerated corrosion.

Zincalume with lead flashings. These metals are wider apart on the list and therefore will experience accelerated corrosion.

Any run-off of water should be in the direction from Zinc to Stainless Steel in order to avoid accelerated corrosion.

For more information see 1995 Profiled Metal Roofing Handbook Section 2.4.

Galvanic Series for some metals commonly used in construction.



ZINCALUME USE MADE EASY

TO HELP YOU FAMILIARISE YOURSELF WITH ZINCALUME USE WE'VE PREPARED THE LIST OF DOs AND DON'Ts BELOW:

Any additional queries contact your nearest branch of Calder Stewart Roofing

DOs

DO Make sure that the flashings and ridging are made from the same material as the roof.

DO Ensure that ridging uses AL Edge not lead.

DO Remember that a Galvanised roof can discharge into a Zincalume gutter but not vice-versa.

DO Use neutral curing Silicon sealant with mechanical fasteners for joining as Zincalume can't be soldered.

DO Follow the instructions outlined in the BHP NZ Steel Installers guide.

DO Call your local branch of Calder Stewart Roofing if you have any queries about Zincalume.

DO Check compatibilities of materials used.

DON'Ts

DON'T Use Lead Flashings.

DON'T Draw onto Zincalume with a black carbon based pencil.

DON'T Use Zincalume based products in Cool stores.

DON'T Use Zincalume based products in contact with wet concrete.

DON'T Use Zincalume based products in animal shelters or other areas with high levels of ammonia.

DON'T Use Zincalume based products where there is permanent contact with water, ie; culverts or water tanks.

DON'T Mix Galvanised based with Zincalume based products on a new roof.



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