

Dissimilar Metals – Copper and Lead

DECRA clearly states in each **DECRA Installation Guide** and **DECRA Guide Specification** document that copper and lead should not be used with our roof system or near our roof system if any rainwater run-off in first contact with either copper and/or lead will subsequently come in contact with our roof system.

Copper-Solution Treated Lumber

This dissimilar metals warning also applies to any contact between our roof system and copper treated lumber. Chromated Copper Arsonate (CCA) pressure treating chemicals used to treat wood products is corrosive to steel. Likewise, Alkaline Copper Quaternary (ACQ) and Copper Azole pressure treating chemicals used to treat wood products are known to be corrosive to our steel roof components.

Borate (Borax) Treated Lumber

Borate or Borax pressure treated lumber does not corrode DECRA roof system materials. This treated lumber type is easy to distinguish from copper solution wood treatments due to the green-tone color imparted to the wood by the copper-based treatment solution. Wood products treated with Borate/Borax treatment solutions retain the natural yellow-brown wood-tone coloration.

Since wood batten strips are used on the elevated roof surface, not in direct soil contact – as well they are protected from moisture by the overlying roof system, more common batten strip wood systems use untreated fir, spruce or pine.

Agriculture Installations and Other Corrosive Environments

Both physical and airborne contact between a DECRA roof system and any potentially corrosive materials and environments should be prevented. Examples of corrosive materials and environments include contact with soil, fertilizer, lime, acids, animal waste, decaying materials, absorptive materials, manufactured chemicals, excessive salt spray, etc.