

The Perfect Alternative

Bare bonderized steel, coated with an anticorrosive phosphate solution, has been used for years in construction applications such as rainwater goods. The benefit of bonderized is the ability to post-paint the product once formed and/or installed.

Recognizing the importance of bonderized in the market, Steelscape has developed a product that offers the benefits of standard bonderized with a number of improvements. ReziBond®, Steelscape's replacement product for bonderized, features a resin system roll-coated over the top of a TruZinc® substrate.

The attributes of ReziBond include:

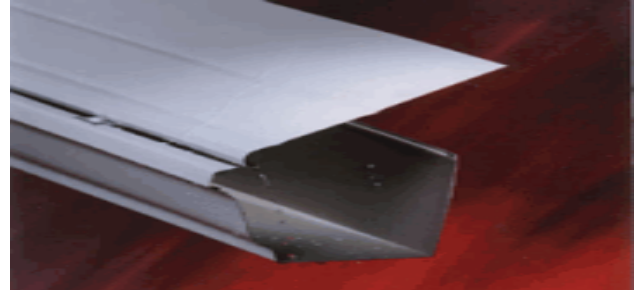
- Excellent roll-formability
- Exceptional adhesion during forming
- Superior wet stack resistance
- Enhanced post-paintability
- Sealant compatibility
- Solderability
- Improved lap seam adhesion strength

ReziBond is available in various sizes as required in the bare bonderized market. ReziBond is also available in both fluting and non-fluting conditions.

Roll Formability

ReziBond exhibits a lower coefficient of friction during forming as compared with bare bonderized. When processing ReziBond, tooling will wear less and the use of roll-former applied lubricants, for all but the most severe forming, should be eliminated.

The excellent adhesion of the resin coating will result in less build-up on the roll-former dies. This means fewer operational and maintenance issues and added up-time. It's simply cleaner.



Wet Stack Resistance

Unprocessed inventory and formed parts treated with ReziBond are more resistant to oxidation caused by exposure to adverse weather and/or storage conditions than traditional bonderized.

Post-Painting

During post-paint testing, ReziBond exhibited superior adhesion performance versus bare bonderized. Total adhesion failure was realized with bare bonderized product whereas no adhesion loss was experienced with ReziBond.

Sealant Compatibility

Lap-shear joints, produced in a laboratory, were tensile tested to determine the force in lbs. required to break the lap joint. Over 40% more load was required to fracture the lap joint compared with traditional bonderized material.

Soldering

Solder testing has been conducted with great results. It is important to note that muriatic acid (29-31% HCl) must be used as the fluxing agent. Other fluxing agents with less HCl will not cut through the surface treatment in timely fashion for productive soldering. The residue from the fluxing process will contain some dark particles. This residue does not interfere with soldering nor does it affect the efficiency of the fluxing agent.

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