

Technical Product Bulletin

Doc Number: TSB001
To: All Sales Staff
From: Chris Babcock
CC: Dennis Johnson
Date: 2/18/2016
Re: **Single lap vs. Double lap on 3/4 and 7/8 Corrugated**

Issue: **Concerning the issue regarding single lap vs. Double lap. Previously discussed was the issue of siphoning caused by the single lap.** *“Per our conversation about the 7/8 corrugated concerning a single rib dual rib overlap. I spoke with an engineer about the idea brought up of going with a single rib overlap vs dual rib overlap. The concern he has with a single rib overlap is with snow and ice sitting on the roof and weeping in-between the overlap causing syphoning over the underlap rib.*
After discussing the engineers concerns with Dennis he decided to continue using the dual rib overlap on roof applications and single rib overlap on the wall application. With this all of our current documentation will remain in effect.”

Resolution: **A single lap can be used on a pitch 4/12 or greater provided A.) the installation includes the use of a minimum 3/8” Butyl tape at the peak of the first rib, and B.), you must include Stitching at 24” o.c. along the panel joint with a #12 x 3/4” fasteners (painted head) or a #14 x 2” stainless for the A606 panels. This is to break the weeping or siphon effect as well as protect the rib from wind driven or water driven force.**

Notes:

- 1. In the condition of a 3/12 or less pitch, the double lap and mastic combination must still be observed, NO EXCEPTIONS.**
- 2. This may add to the cost of installation from both a labor and additional materials standpoint. Additionally, the mastic material has a life span to consider as well.**
- 3. Be advised this will also potentially cause minor gapping at the adjoining seams edge. See “Sales Topic #1” in this bulletin for tips on avoiding this concern.**
- 4. The use of any bituminous or silicon product would be advised against due to product telescoping in extreme heat and creating an appearance issue as well as potential early failure.**
- 5. A form is in development for your sales order and obtain a signature from your customer at the time of sale if they choose this product option to acknowledge this application and to avoid any warranty issue. Contractors signatures will be kept on file acknowledging this change.**

Sales Topic

- 1. Bridger Steel has two features including a 5° Overbend on the outside rib that helps the overlap and seaming of each panel, and Bridger Steels exclusive Anti-Syphon groove on each panel giving the product additional assurance against failures due to the elements.**
- 2. Our suggestion is to maintain the double rib overlap if there is any question or uncertainty regarding this option.**

Attachment: Marco Butyl Tape Sealant cut Sheet