

# Sika Sarnafil

*World Class Roofing and Waterproofing*

## ROOFING TECHNICAL BULLETIN

**#08-13**

To: Roofing Consultants  
Authorized Roofing Applicators  
Sika Sarnafil Sales Staff & Sales Representatives  
Sika Sarnafil Regional Technical Staff  
Sika Sarnafil Customer Service Staff  
Sika Sarnafil Services Staff  
Sika Sarnafil Marketing

From: Sika Sarnafil Technical Service Department

Date: July 15, 2013

**Subject: Limitations of Fastening into LGS Decks**

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With more and more building owners looking to retrofit their light gauge steel decks with a new roofing system, Sika Sarnafil feels it is necessary to make aware the fastening limitations these types of decks may have as well as promote the fastening into purlins as a more viable solution.

The following bullet points suggest some of the limitations, but depending on the condition of the deck there may be more.

- Over driving of the fasteners
- Stripping or popping out of the fasteners
- Pre-Loading of the fasteners
- Uplift deck deflection

The dynamic nature of the light gauge steel decks limits the rigidity of the roofing system, fastening directly into the purlins will allow for a stronger system while alleviating some of the concerns outlined above. Additional benefits of fastening into purlins is it is Factory Mutual approved and when using a RhinoBond system it allows the ability to use 10' wide sheets without any waste or restrictions governed by purlin spacing.

Sika Sarnafil always recommends confirming the right fastener before the job start.



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