

Tech Note

"The name trusted in roofing since 1906"



Sheet flutter on Mechanically Attached Roofing Systems

This Tech Note is to address concerns regarding membrane fluttering or billowing on a Mule-Hide Roofing System

A Mule-Hide mechanically attached roofing system consists of a roofing membrane that is loosely laid in place and attached with fasteners placed in the seam (or overlap). The spacing between rows of fasteners can be as much as 12'. Since the membrane is otherwise loosely laid in place, this portion of membrane is free to move with variances in building pressure or wind pressures. These pressures can cause the sheet to flutter or billow.

This condition is normal and has been factored into the design of our Mechanically Attached roofing systems. Billowing or fluttering will not affect the performance of the installed system and will not affect the Mule-Hide roofing warranty.

If sheet flutter or billowing is of concern to the building owner or roof designer, efforts can be incorporated into the roofing system design to help reduce fluttering;

- Use of narrow sheets (4' to 8' wide)

- Sealing of the membrane and edge details to reduce air infiltration

- Incorporating a continuous air barrier over the structural deck

Complete specifications and details are available on the Mule-Hide Products Co., Inc website at www.mulehide.com. If you have any questions or require further assistance, please contact the Mule-Hide Technical Department at (800) 786-1492.