

Newsletter No. 0208

Date: 11/20/08

Subject: 2008 Winter Technical Update

Building Code Updates

ALPOLIC and ALPOLIC fr are the first MCM panels to receive a state approval to the Florida 2007 code.

On 10/14/2008 the Florida Building Commission approved and listed ALPOLIC and ALPOLIC fr panels as meeting the requirements of the Florida 2007 code, which becomes effective on March 1, 2009. The listing report, FL10520.1, approves the panels for use in HVHZ (High Velocity Hurricane Zones) with design pressures of +70 / -90 psf.

Fabrication News

Proper routing and bending

As the cold weather approaches it is important to reconfirm the routing and bending conditions to prevent paint fracture along the return edges of the panels. There are three critical factors that need to be controlled to ensure the quality of the edge:

- 1) Routing depth: When routing painted ACM panels it is recommended to use a 110 degree rout angle, a 2 mm flat and to leave 0.012 inches of core material behind. This will ensure that when the bend is made the radius will not exceed the 2T specification of the paint film. For more detailed information please refer to the technical bulletin on proper routing located at www.alpolic-northamerica.com/downloads/alpolic_bulletins_20050720a.pdf
- 2) Bending temperature: Colder temperatures will make the paint layer more brittle causing fractures along the returned edges when bends are made. To prevent this issue the panels' surface temperature should be at 55 degrees F or higher when the bends are made.
- 3) Bend the panel once: As with any metal, bending the routed edge more than once can work harden the skin of the panel resulting in metal fracture.