

Manufacturer: Altech Panel Systems, LLC
1 Johnson Street, Suite 118
Cartersville, GA 30120

Product Line: Accu-Trac Systems by Altech Panel Systems/Alpolic/Alpolic Fr

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Community Affairs for Statewide Acceptance per Rule 61G20-3.005 method 1(d). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

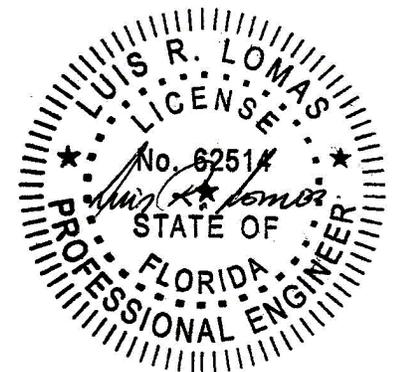
1. Approval document: drawing number 08-02268, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: NCTL 210-3064-1 signed and sealed by Gerald Ferrara P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 Uniform Static Air Pressure, ±50.0psf design pressure, 15.0psf water penetration.
TAS 203-94 Cyclic Pressure loading ±50.0psf design pressure
3. Polyethylene and Thermoplastic core testing:
Report No.: 01-8361-038 signed by Alex B. Wenzel.
Southwest Research Institute, San Antonio TX
Report No.: 01-8361-320 signed by Alex B. Wenzel
Southwest Research Institute, San Antonio TX
Report No.: 01-43055.02 signed and sealed by Joseph A. Reed P.E.
Architectural Testing Laboratories, York, PA.

Results for Polyethylene Core.

| Description | Tests | Results |
|------------------------------------|------------|-----------------|
| Tensile Strength | ASTM E8 | 7452 PSI |
| Punching Shear Resistance (1" dia) | ASTM D732 | 4637 PSI |
| Punching Shear Max Load | ASTM D732 | 1920 PSI |
| Bond Integrity Vertical Pull | ASTM C297 | 1806 PSI |
| Drum Peel | ASTM D1781 | 33.6 IN – LB/IN |
| Flatwise Shear | ASTM C273 | 1225 PSI |
| Rate of Burning | ASTM D635 | CCI |
| Flame Spread Index | ASTM E84 | 00 |
| Smoke Developed Index | ASTM E84 | 00 |
| Self Ignition Temperature | ASTM D1929 | 752°F |
| Flash Ignition Temperature | ASTM D1929 | 716°F |

Results for Thermoplastic Fire Retardant Core.

| Description | Tests | Results |
|------------------------------------|------------|---------------|
| Tensile Strength | ASTM E 8 | 5693PSI |
| Punching Shear Resistance (1" dia) | ASTM D732 | 4637 PSI |
| Punching Shear Max Load | ASTM D732 | 2259 PSI |
| Bond Integrity Vertical Pull | ASTM C297 | 427 PSI |
| Drum Peel | ASTM D1781 | 27.6 IN-LB/IN |
| Flatwise Shear | ASTM C273 | 949 PSI |
| Rate of Burning | ASTM D635 | -- |
| Flame Spread Index | ASTM E84 | 00 |
| Smoke Developed Index | ASTM E84 | 10 |
| Self Ignition Temperature | ASTM D1929 | 837°F |
| Flash Ignition Temperature | ASTM D1929 | 811°F |



L. Roberto Lomas P.E.

233 W. Main St.

Danville, VA 24541

434-688-0609

rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 513012

- Anchor calculations and comparative analysis, report number 513012-1 and -2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to installation instructions
- Maximum Panel size: 60"x120"
- This product is rated to be used in the HVHZ.
- Qualified panel thickness: 4mm(tested) and 6mm (qualified by comparative analysis)
- Panel material to be composite with 3105-H14 aluminum faces .020" minimum thickness.
- Core material to be Polyethylene or Thermoplastic (see above test results).
- Panels maybe obtained under the following brand names and manufacturers:
 - Alpolic by Mitsubishi
 - Reynobond by Alcoa
 - Alucobond by 3M
 - Larson by Alucoil

Installation: Units must be installed in accordance with approval document, 08-02268.

Certification of Independence: Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

