

Technical Bulletin No. 4



Testing Results

The following are results of the various tests* performed on various Cedar Valley panel styles by certified engineering and test laboratories.** These tests utilized current calculations and the required ASTM criteria.

Wind Uplift testing (all performed under ASTM E330 wind uplift test criteria)

- | | |
|---|-----------|
| 1) 1-Course panel, 5.3 inch exposed shingle, blind nail application, 5/16-inch thick shingle. | 208.9 mph |
| 2) 1-Course Vent Panel, 7 1/8 inch exposed shingle, blind nail application | 210.4 mph |
| 3) 1- Course panel, 5.3 inch exposed shingle, blind nail application, ½ inch thick shingle. | 210.4 mph |
| 4) 1-Course panel, 7 1/8 inch exposed shingle, blind nail application, 5/16-inch thick shingle. | 187.2 mph |
| 5) 1-Course 14” Mansard panels 16” O.C. nailing | 201.5 mph |
| 6) 1-Course 14” Mansard panels 24” O.C. nailing | 152.8 mph |

R-Value Testing

- | | |
|---|----------|
| 1) Average Thermal Resistance ASTM C 518-91 | 0.96 – R |
|---|----------|

Water penetration test-1/Course panels

- | | |
|---|--------|
| 1) Uniform static air pressure difference testing ASTM E331 (15 minute testing) | Passed |
|---|--------|

Fire Testing

- | | |
|---|---|
| 1) Cedar Valley “California Stack” 1-Course panels | California SFM 12-7a-1 Fire Test Passed |
| | i. SFM listed BML #8140-2023:0002 |
| 2) Cedar Valley 1-Course panels FTX pressure treated | California SFM 12-7a-1 Fire Test Passed |
| 3) Cedar Valley 3-Course panels untreated | ASTM E84-97a Flame Spread Class “C” |
| 4) Cedar Valley 3-Course panels Chemco pressure treated | ASTM E84-03 Flame Spread Class “A” |
| 5) Cedar Valley 3-Course panels Chemco pressure treated | |
| <u>And weathered under 12 week weathering test ASTM D2898</u> | ASTM E84-03 Flame Spread Class “A” |

Code Approvals

Cedar Valley panels have national & local code approvals including

- 1) ICC-ES ESR-1862
- 2) Florida Building Code #7993
- 3) Texas Dept. Of Insurance #EC-53
- 4) California State Fire Building Materials Listing Approval #8140-2023:0002



** All test documents available upon request.