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Report No: 1106-867

Report Date: November 29, 2006

Arcoplast Wall and Ceiling Systems 1873 Williamstown Drive St. Peters, MO 63376 Ghislain Beauregard

TEST CERTIFICATE

Determination of Pull-Out Strengths for various fasteners secured in Arcoplast Wall and Ceiling Systems panels.

TEST PROCEDURE

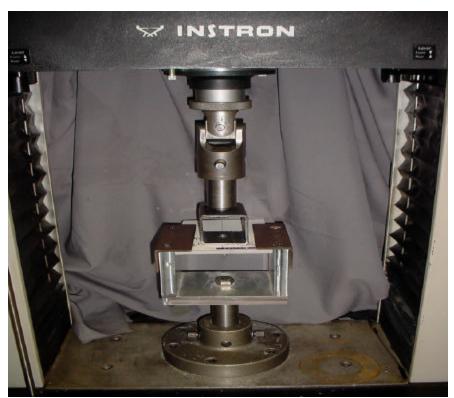
Several types and sizes of screw fasteners were secured in 4" x 6" panels of Arcoplast Wall and Ceiling Systems and subjected to straight-line pull tests. An Instron Testing Machine was utilized to pull the fasteners from the panels. The test assembly is shown in the enclosed photographs.

TEST RESULTS

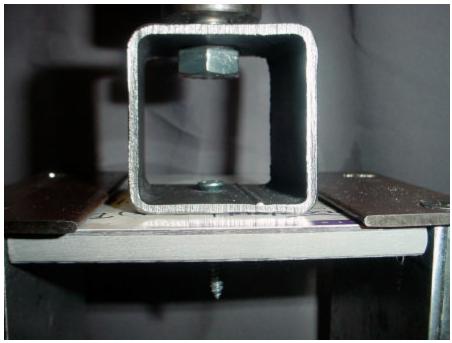
Screw Pull-Out Strength, lbs.

| Fastener ID | Pilot Hole | 6 mm OD High Density | 9.5 mm OD High Density | 9.5 mm OD LW |
|--|------------|-------------------------|---------------------------|-----------------|
| No.6 x 1-5/8" Self Drilling Drywall Phillips | None | 228 | 310 | 176 |
| | | 216 | 268 | 165 |
| | | 217 | 265 | - |
| | | 220 avg. | 281 avg. | 171 avg. |
| | | | | |
| No.12 x 1-½" Flat Phillips Zinc | 5/32" | 237 | 372 | 301 |
| | | 220 | 318 | 304 |
| | | 230 | 346 | 1 |
| | | 229 avg. | 345 avg. | 303 avg. |
| | | | | |
| No.10 x 1-½" Flat Phillips Zinc | 9/64" | 246 | 262 | 222 |
| | | 262 | 280 | 208 |
| | | 267 | 270 | - |
| | | 258 avg. | 271 avg. | 215 avg. |

| Fastener ID | Pilot Hole | 6 mm OD High Density | 9.5 mm OD High Density | 9.5 mm OD LW |
|--|------------|-------------------------|---------------------------|-----------------|
| 1-5/8" Coarse Thread Drywall Screw | 7/64" | 250 | 279 | 285 |
| | | 221 | 283 | 266 |
| | | 225 | 230 | - |
| | | 232 avg. | 264 avg. | 276 avg. |
| | | | | |
| 1-5/8" Fine Thread Drywall Screw | 7/64" | 236 | 255 | 163 |
| | | 250 | 243 | 167 |
| | | 213 | 300 | 166 |
| | | 233 avg. | 266 avg. | 165 avg. |
| | | | | |
| No.8 x 1-1/2" Oval Phillips Zinc | 1/8" | 233 | 296 | 206 |
| | | 236 | 336 | 200 |
| | | 222 | 313 | - |
| | | 230 avg. | 315 avg. | 203 avg. |
| | | | | |
| Fab-Lock Fastener P/N FAC-10-8 | 5/16" | 787 | - | 495 |
| | | 670 | - | 512 |
| | | 945 | - | 545 |
| | | 801 avg. | - | 517 avg. |



Photograph 1
View of the test assembly used in the Instron to obtain fastener pull-out strength values.



Photograph 2
Close up view of the test fixture used to support the 4" x 6" Arcoplast test panels for the screw pull-out tests.



Photograph 3Fab-Lok fastener pulled from a 9.5mm light weight Arcoplast panel.



Photograph 4

Condition of the 9.5mm Light Weight panel after a 512 pound tensile load was applied to the Fab-Lok fastener shown in photograph number 3.



Photographs 5

View of a 6mm High-Density Arcoplast panel after a Fab-Lok pull test that required a tensile load of 787 pounds to produce failure.

Patrick Lombard Laboratory Manager