

## Technical Bulletin

The Building Performance Institute (BPI; <http://www.bpi.org/>), standard BPI-104, includes requirements for thermal insulation, when installed in exterior walls of existing homes, acting to help reduce air flow through the wall assemblies. The requirement for blown mineral fiber insulation is a maximum air permeance of 3.5 cfm/sf at a pressure difference of 50 Pascals. Owens Corning's™ **PROPINK®** L77 and AttiCat® glass fiber loosefill insulations have been tested per ASTM C522 and found to meet the air permeance requirement when installed at a minimum density of 2.1 lbs./ft<sup>3</sup>. See Table 1 for application data.

Table 1 – Application data for products installed at 2.1 pcf<sup>(1)</sup>

| <b>PROPINK® L77 - bag weight 33 lbs.</b>  |                               |                              |                                |                                 |                                  |
|---|-------------------------------|------------------------------|--------------------------------|---------------------------------|----------------------------------|
| <b>Cavity Framing (nominal)</b>   | <b>Actual Thickness (in.)</b> | <b>Coverage per bag (sf)</b> | <b>No of Bags per 1,000 sf</b> | <b>Minimum Weight (lbs./sf)</b> | <b>Minimum Installed R-value</b> |
| 2 x 4   | 3.5                           | 53.9                         | 18.6                           | 0.613                           | 15                               |
| 2 x 4   | 4.0                           | 47.1                         | 21.2                           | 0.700                           | 16                               |
| 2 x 6   | 5.5                           | 34.3                         | 29.2                           | 0.963                           | 24                               |
| <b>AttiCat® - bag weight 28.5 lbs.</b>  |                               |                              |                                |                                 |                                  |
| <b>Cavity Framing (nominal)</b>   | <b>Actual Thickness (in.)</b> | <b>Coverage per bag (sf)</b> | <b>No of Bags per 1,000 sf</b> | <b>Minimum Weight (lbs./sf)</b> | <b>Minimum Installed R-value</b> |
| 2 x 4   | 3.5                           | 46.5                         | 21.5                           | 0.613                           | 15                               |
| 2 x 4   | 4.0                           | 40.7                         | 24.6                           | 0.700                           | 16                               |
| 2 x 6   | 5.5                           | 29.6                         | 33.8                           | 0.963                           | 24                               |
| (1) Installer must use a blowing machine of sufficient capacity to ensure minimum 2.1 lbs. per cubic feet installed density. The AttiCat® machine does not meet this requirement. |                               |                              |                                |                                 |                                  |

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