



INNOVATIONS FOR LIVING®

# AttiCat® System Blown-In Wall Solution

## Installation Instructions

### Attention

Always use the appropriate safety and personal protective equipment when using this product. **These instructions are only a summary guide for installing Blown-in Wall Systems. Installation should not be attempted without the appropriate training.** Refer to the product package and product Material Safety Data Sheet for additional safety information.

The process of blowing insulation into walls is best accomplished with two people. The process can be broken down into two steps:

1. Installing fabric and
2. Installing wool.

### Installing Fabric

1. Use a polypropylene non-woven fabric for this application.
2. Fabric comes in rolls. The rolls contain a 9' wide sheet that is folded over to achieve a 4½' roll. The sheet is about 611' long.
3. Choose a wall section. Unroll the fabric along the wall section. Pick up the folded edge of the fabric and staple about half way up the first stud in the wall. Take the roll end of the fabric and staple half way up the last section of the wall. Use a razor knife to cut the fabric to length down the last stud. Wear safety glasses with side shields while stapling. Stapling can cause injury. Follow all stapling device safety requirements.

### Installation Coverage Chart

Nom. Bag Weight: 28.5 lbs.

Thickness (Inches)	R-Value	Density (lb./ft. <sup>3</sup> )	Minimum Weight (lb./ft. <sup>2</sup> )	Maximum Coverage/Bag (ft. <sup>2</sup> )	Bags per 1,000 ft. <sup>2</sup>
3.5 (2x4)	13	1.3	0.38	75.2	13.3
3.5 (2x4)	15	1.5	0.44	65.1	15.4
5.5 (2x6)	21	1.3	0.60	47.8	21.0
5.5 (2x6)	24	1.8	0.83	34.5	29.0

4. Place an appropriately rated stepladder at one end of the wall. Standing on the ladder reach down and lift the outer flap of the fabric and staple to the top plate of the wall. Staple along the top plate of the wall over to the other end. Staples should be placed no more than 1" apart
5. Move to the center of the wall and staple down the stud about half way. Moving away from the center, staple down adjoining studs half way down. As you move out from the center, pull the fabric outward to remove wrinkles.
6. Move to lower portion of the wall and staple the rest of the way down the studs pulling the fabric as needed to remove wrinkles.
7. Staple around all windows and doors. Staple bottom plate last.
8. Move to the next wall section.
9. If the wall section is taller than 9' you will need to make up the distance with additional fabric. The additional fabric will need to overlap the previously installed sheet by at least 6". The overlap can be taped to prevent wool from escaping.

### Installing Attic Expanding Blown-In Insulation

1. Use Owens Corning™ AttiCat® Expanding Blown-In Insulation for this application.
2. Use the AttiCat® Expanding Blown-In Insulation Machine.
3. Use the 2½" hose that comes with the AttiCat® Expanding Blown-In Machine.
4. With the fabric in place, choose a stud cavity to start with. Cut two x patterns into fabric, one 30" from the bottom and the other 24" from the top, large enough to accommodate the hose diameter. Insert the hose into the bottom cut and begin filling. When the loosefill stops flowing aim the hose down then up to compact the wall cavity. When there is no additional flow, move to the top opening and repeat. To get higher densities it may be necessary to cut three x patterns in the fabric. Fill each one starting at the bottom and moving up. When the wall is full, turn off the AttiCat® machine and remove the hose.
5. Inspect the cavity for unfilled areas. These areas can be seen as lighter colored areas behind the fabric. Insert the hose in this area and turn on



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the AttiCat® machine until full. Be sure that the cavity is of uniform color and shape before moving to the next cavity.

6. For cavities that are 2" and smaller in width, cut away the fabric and fill with batt material.
7. After all cavities are filled cut fabric away from doors, windows and electrical boxes. Inspect studs for any protruding staples and hammer in if necessary. Use a broom to smooth out any bumps in the fabric. Sweep up any residual AttiCat® Expanding Blown-In Insulation from the floor.

### Calculations

- I. At the beginning of the installation process it is recommended to check the density in the wall in order to obtain the targeted R-value.
  - a. Allow the AttiCat® machine to empty out.
  - b. Start with an empty wall cavities.
  - c. Add a half bag of Owens Corning™ AttiCat® Expanding Blown-In Insulation to the AttiCat® machine.
  - d. Install the AttiCat® Expanding Blown-In Insulation until the blowing machine is empty
  - e. Count the number of cavities filled
  - f. Estimate cavity density

As shown below, half a bag of AttiCat® Expanding Blown-In Insulation will fill 3½ wall cavities to 1.5 lb./ft.<sup>3</sup> (nominal 8' height, 16" oc).

### Sample Calculation

#### Density

Cavity Volume:

Width – 14½"

Depth – 3½"

Height – 92⅝"

Cavity Volume:

$$(14.5 \times 3.5 \times 92 \frac{5}{8}) / (1,728 \text{ in.}^3/\text{ft.}^3) = 2.72 \text{ ft.}^3$$

Number of cavities filled with one half bag:  
3½ cavities.

Total Cavity Volume:

$$3.5 \times 2.72 \text{ ft.}^3 = 9.52 \text{ ft.}^3$$

Half Bag weight:

14.25 lbs.

Cavity Density:

$$14.25 \text{ lbs.} / 9.52 \text{ ft.}^3 = 1.5 \text{ lbs.} / \text{ft.}^3$$

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