

# AG-TITE

## SPECIAL REPORT #4

### Curtain Preparation

Written by Bill Collins  
EDGE, Inc.

This specification is written for any solid sidewall installations which will use AG-Tite soy sealant. The goal of this specification is to insure an airtight envelope which will increase static pressure and in turn decrease overall energy costs. While building solid sidewalls can provide a solid thermal barrier for a poultry house, the entire house must be addressed in order to capture the energy savings which are available by using this product. This specification is broken down into three components which deal with various time frames for the installation.

#### 1. Preparation of the Curtain

- The bottom of the curtain will be disconnected from the side of the poultry house so that any of the litter material can be disposed of and so that the curtain can be pulled tight.
- If there is a gap between the curtain and the truss, a 2x4 of appropriate length will be installed horizontally in order to make the truss/beam and the curtain flush. This horizontal installation will also allow the farmer something to work with in the event that sheet metal is put on at a later time. This will not be necessary if the truss is wood or the beam that is offering support to the curtain is also wood and is already flush.
- The curtain will be nailed to the side of the house with 1" or longer Steel Cap Nails with at least three nails running along each truss/brace and at least three nails running along the bottom of the curtain.
- On the inside of the house, all flat surfaces that will be sprayed which include the sidewall openings and footer, will be scrapped and then a leaf blower will be used to clean off all residue. The surfaces to be sealed will be free from any built up debris.

#### 2. AG-Tite Application

- All curtain openings will be foamed to the Ag-Tite specification. The roof joint that connects the vertical wall will be sealed\*
- The footer joint that connects the wall with the cement will be sealed\*
- Any joint in the panel or any joint between wood panels will be sealed\*
- All cool cells will be trimmed and sealed including the roof joints and the footers.
- All open areas, which show light, that are around the fans will be sealed with either soy sealant or can sealant.
- All of the attic door panels will be sealed with either soy sealant or can sealant.
- The gable ends will have all of their panel or wood joints sealed if they can be accessed from the ground. The footer will also be sealed. It will be up to the farmer and the installer to determine the cost of sealing the roof joint or any other area that can not be accessed from the ground including the peaks of the gable ends.

#### 3. After the Installation

- All of the foam will adhere to the surface that is has been sprayed on including wood, steel and plastic.
- Upon installation the product will not shrink, settle, sag or separate from the substrate.
- All of the soy material that is left over will be picked up off of the ground and disposed of in an appropriate garbage disposal area.