



**Sukup**<sup>®</sup>

# Airways<sup>®</sup>

*Air Tubes*

- 
- Prevent Bin Wall Spoilage
  - Easy, Low Cost Installation
  - Prevent Moisture Condensation on the Inside Bin Wall

# Stop Bin Wall Spoilage

## The Problem

### Condensation Causes Spoilage

- Drying grain requires removing large quantities of water - about 1 gallon per bushel (10 pt. removal).
- Cool outside temperatures cause the warm, moist air to condense on the cold bin wall, making the layer of grain next to the bin wall wetter.
- As the outside temperature drops, this wet grain freezes to the bin wall.
- When the temperatures rise, the grain thaws, sprouts, and spoils.
- Spoilage eats the galvanizing off the bin wall and can weaken the bin.
- The problem worsens in colder climates and when using higher drying temperatures.

### A Little Spoilage Can Cost a Lot

Bin wall spoilage can spread quickly, but even a small amount can be very expensive (see chart below). In addition to the money lost, spoiled grain sticks to the bin wall, adding stress that could collapse a bin.



Bin Size (w/ grain 12' deep)	Bin Wall Spoilage	Bushels Lost
24'	4"	240
30'	4"	300
36'	4"	360
42'	4"	420
48'	4"	480

\*Spoiled grain may create a hazardous environment.

## The Solution

### Airways® Can Pay for Themselves in One Year

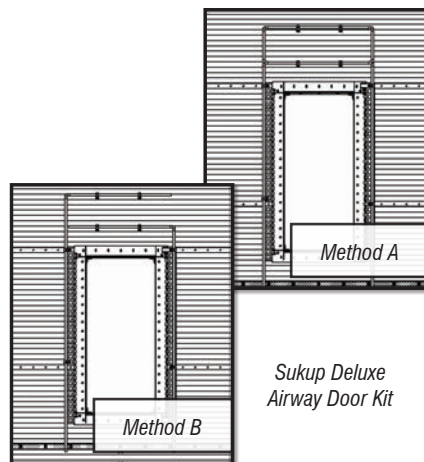
- Airways® are a system of perforated triangular-shaped steel tubes that pipe drying air along the bin wall.
- For ease of installation we offer pre-punched flashing.
- Airways® work like the defroster on a car, piping warm air where it is needed to remove moisture.
- Removing the moisture eliminates bin wall spoilage, so Airways® can pay for themselves in a very short period.



An Airway Door Kit was not used in this bin. Notice the spoilage in the area not covered by Airways®

### More Airflow

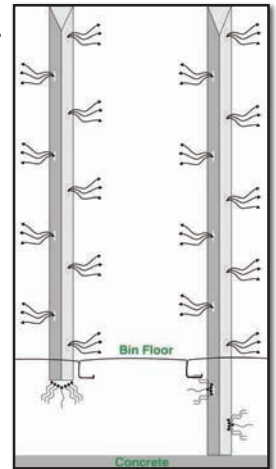
- Triangular-shaped opening provides more open area than competing tubes with round sleeves in the opening. More open area means more airflow.
- Small slots at predetermined intervals allow just the right amount of air up the bin wall to take out the extra moisture.
- Bin liners can create a chimney effect that allows unlimited amounts of air to channel up the bin wall, leading to higher drying costs due to wasted energy.



Sukup Deluxe Airway Door Kit

### Easy and Inexpensive to Install

- Airways® may be used with large or small grain.
- Two lengths available; 10'6" and 12'. Both extend to the same height on the bin wall.
- Standard 10'6" tubes extend approximately 1" below the flashing.
- Optional 12' Airways® extend through the flashing and rest solidly on the concrete floor, giving additional support to the bin wall.
- Brackets fasten to existing bin bolts.
- Protect the areas around the ladder and door with an Airway Door Kit.



**NOTE:** Airways® are not a substitute for bin wall stiffeners when stiffeners are recommended.

Specifications are subject to change without notice.



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