



# AIRWAYS® AIR TUBES

## FEATURES

- Prevents moisture condensation which leads bin wall spoilage
- Easy, low cost installation



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# 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.

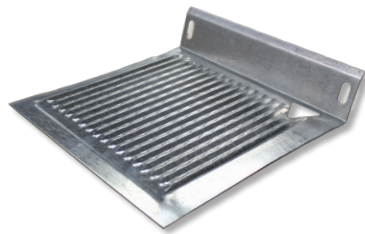
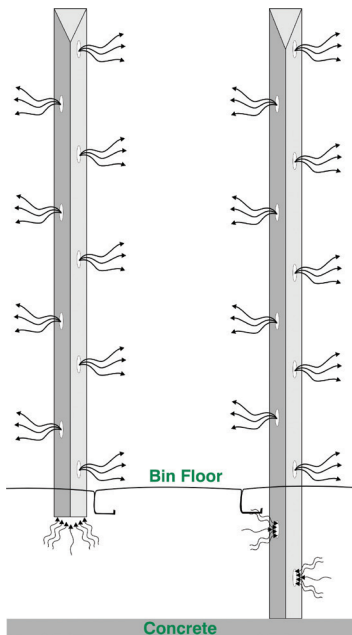
## THE SOLUTION

### AIRWAYS® AIR TUBES CAN PAY FOR THEMSELVES IN ONE YEAR

Airways® Air Tubes are a system of perforated triangular-shaped steel tubes that pipe drying air along the bin wall. 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.

### 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



Pre-punched flashing

### 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.



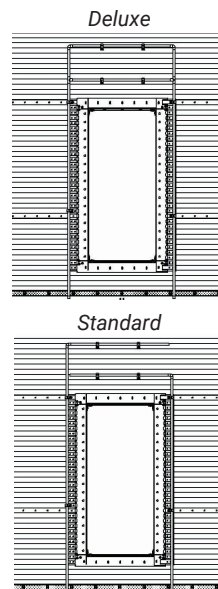
BIN SIZE (W/ GRAIN 12' DEEP)	BIN WALL SPOILAGE	BUSHEL LOST
24'	4"	240
30'	4"	300
36'	4"	360
42'	4"	420
48'	4"	480

\*Spoiled grain may create a hazardous environment.

### 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
- For ease of installation we offer optional pre-punched flashing
- 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 Airways Door Kit

### Sukup® Airways Door Kit



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

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

Specifications are subject to change without notice.