

CondenStop® provides an EXTRA! Layer of Protection against Corrosive Vapors

Corrosion is most likely to occur in agricultural confinement buildings and free stall barns. Corrosive vapors from animal excrement accelerate rust and the deterioration of the metal panels in these applications. Thus, Lantor BV commissioned QLab Corporation, a third party independent testing company, to perform, non-biased, accelerated laboratory testing of CondenStop® and how it provides an added protective barrier against these corrosive vapors.

Test Method

Q-Lab's Q-Fog CCT-600 Accelerated Corrosion Test Chamber. This type of cyclic, fog, corrosion testing is intended to be a more realistic way to perform corrosion tests because actual atmospheric exposures usually include both wet and dry conditions in addition to corrosive environments.

Test Environment

- 1 hour fog @ ambient temperature & 1 hour dry @ 95°F
- 5% NaCl - Sodium Chloride
- 0.35% (NH₄)₂ SO₄ - Ammonium Sulfate Solution
- Panels installed at 15° from vertical
- Test performed in accordance with ASTM B117

Test Evaluations

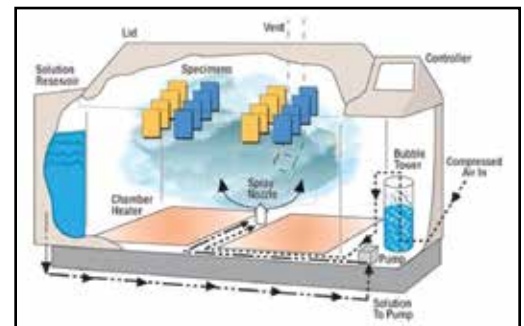
Evaluations were performed by Q-Lab Corporation Technicians at 630 hours, 1100 hours, 1600 hours and 2000 hours, according to ASTM D610.

Test Results after 2000 Hours Exposure

Above, on the left, the G90 galvanized panel shows complete red rust where the galvanized coating is depleted and can no longer protect the steel. The right panel has the same G90 galvanized coating only with the addition of the factory applied CondenStop®. As you can see, CondenStop® has provided a significant corrosion protection layer to the galvanized substrate coating of the panel and thus has protected the steel panel from rusting.

Accelerated Corrosion Test Conclusion

Due to the layer of high quality adhesive and fabric, CondenStop® delays the effects of corrosive vapors and provides an added layer of protection to the bottom of the metal roofing panels thus prolonging the product life. Although accelerated testing should not be directly associated with real world exposure, these results indicate that the use of CondenStop® will add protection to your metal roof panels.



Q-Lab CCT Cycle Corrosion Test Chamber

G90 galvanized W/OUT G90 W/CondenStop®



2000 Hours Accelerated Exposure