



## **Proven Bio Security Lining System from Valéron® Strength Films**

Valéron® AVA, is a high strength, lining system that has been designed, tested and certificated for use in the international food and agricultural industries. The latest version of Valéron® AVA has distinctive properties that afford major benefits to the poultry grower. Indeed, the product has been engineered to greatly enhance a grower's Bio Security System by reducing the detrimental effects associated with heat or cold stress, gas build-up, biological contaminants and cross infection. Moreover, Valéron® AVA does not provide a nesting habitat for insects and allows rigorous cleaning and sanitization techniques without reducing its expected working life. (Valéron® AVA Hygiene Programme). The surface finish on the product has been certified not to stimulate the growth of bacteria or mildew. Installations of the product have proved it enhances conditions inside poultry houses, increasing flock health and growth ratios.

Increased stress on indoor reared birds usually result in longer production cycles and poor feed conversion rates for a given growth rate or egg laying capacity. Certainly during hot weather, heat stress caused by infrared energy from the sun striking the poultry house roof will exacerbate the problem. The sun's heat conducts through the roof then radiates directly from its underside as infrared energy onto the birds below. The additional heat also increases harmful gasses by facilitating microbe action in the litter. In cold conditions the System helps to keep the poultry house warm.

By simply draping the Valéron® AVA over or under the poultry house rafters, more than 96% of the incoming or outgoing radiating energy will be blocked resulting in much less stress on the birds. The system performs the same function when fitted to walls and can even act as an excellent vapour barrier helping to stop the ingress of outside humidity where this is a problem or sealing foam or fibre insulation systems where these are installed. The reflective property of the material also means electrical power required for lighting the interior can be reduced by as much as half.

With an expected a life-span of at least 20 years, Valéron® AVA is so tough and stretch resistant it's virtually impossible to tear and is "peck" resistant. It's easily sanitised as it can be cleansed using an approved disinfectant or pressured cleaned without affecting its durability.

Valéron® AVA has been successfully trialled in a number of countries including Ireland, Jordan, Kenya, Nigeria, Saudi Arabia, Thailand, United Kingdom, and the USA.

In April 2006, Cobb-Vantress Inc decided to install Valéron® AVA in one of their Missouri poultry

breeding sheds. Seeking to test the lining system to its limit whilst monitoring all aspects of its performance, they decided to implement the recommended installation procedure.

It was Dean Creasey, (Director of Pure Line Production at Cobb-Vantress Inc.) who decided to try the new material and instructed a “like for like” comparison with an identical production unit adjacent to the one where the Valéron® AVA System was installed.

“After lining the roof you could immediately notice the reduction of heat gain into the new production unit”, says Dean Creasey. “Part of our original interest was to discover whether the Valéron® AVA System could be installed in the type of poultry housing we use here in the United States. The installation of Valéron® AVA was found to be very comparable to the installation of a triple layered plastic laminate usually employed and provided an excellent taut fit. The material we normally use starts to get expensive to maintain as it ages, leaks, and tears. It must be replaced quite often otherwise we would lose a tremendous amount of money in utilities or a reduced performance from our birds. Overall we noticed positive flock results in the shed where the new System was implemented, while adjacent houses measured a less favourable score.”

Dean Creasey concludes; “I intend to buy more, and install the Valéron® AVA Bio Security System on any Cobb project I’m responsible for.”



#### **Note to Editorial Teams**

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