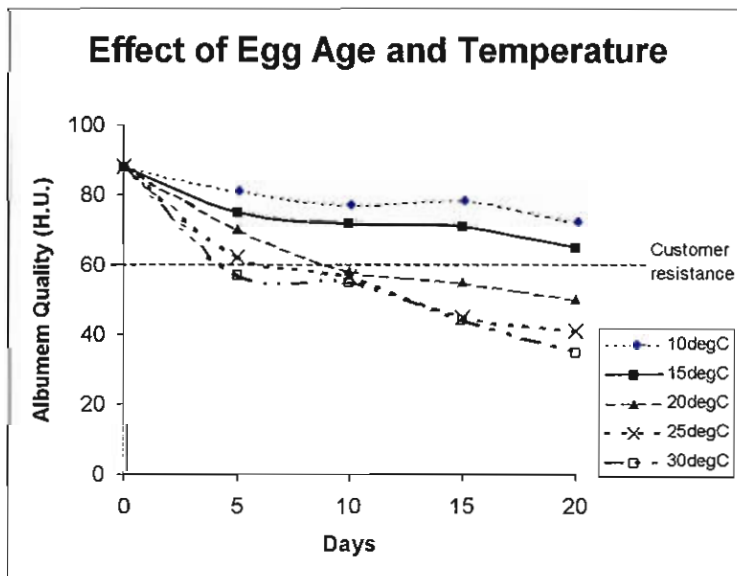


Refrigerated Egg Storage

To maintain good egg quality, cool storage is essential. The following are some guidelines for store design:

- The building should be well insulated to a value of at least $0.5W/m^2^{\circ}C$ and may need vapour barriers either side of the insulation. Ideally the room should have no windows to eliminate solar gain, be draughtproof and have a solid floor. The interior should be finished to enable easy cleaning to food storage standards.
- Good cold air distribution is essential if all eggs are to be cooled satisfactorily. An air speed of $1m/s$ is acceptable. The air speed rate has little effect on evaporation from the eggs. A system of moving the eggs within the store should be incorporated so that the freshest eggs can be moved nearer to the refrigerated cooler.
- The cooling load can be calculated by adding the heat given off by the eggs to the structural heat gain from outside.



FEC are able to provide detailed advice on the design of facilities of this type. In some cases advice maybe available free under Government schemes. Contact FEC for more details.

Farm Energy Centre
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