



# **GLASS APPEARANCE**

## **Specification for Insulating Glass Units**

All units supplied by Marlin Windows Ltd are manufactured to the Glass and Glazing Federations guidance for Insulating Glass Units and this states the following:

The IGU's shall be viewed at near normal incidence, i.e., at right angles to the glass surface. This shall be from the room side and relates only to transmission and not reflection. The units shall be viewed from a distance of not less than two metres away from the inner glass surface for annealed float glass and 3 metres for all other glass types. Certain glass types i.e., coated glass; the product standard gives a specific length of time in which the observation shall be made.

The assessment of visual quality of the panes of glass should be carried out in natural daylight but not in direct sunlight and with no visible moisture on the surface of the inner or outer glass panes. The use of strong lamps and/or magnifying devices is not allowed.

It is not permissible to find defects at close range and then mark them so as to be visible from given viewing distance.

If the IGU's have to be examined in reflection, e.g., for appearance of coated glass, then the method given within the appropriate standard shall be followed.

### **Acceptance Criteria**

Insulating glass units shall not be deemed unacceptable for any phenomena relating to the inherent characteristics of an IGU with the exception of 'Newton's rings'.

When viewed in accordance with the above, the IGU will be deemed acceptable as long as, where appropriate, none of the following apply:

- There are no defects noticed that are visually disturbing
- Any defects that are noted comply with the visual quality for the glass component
- Any visual disturbance e.g., from roller wave, bow etc is within the tolerances given in the appropriate product quality
- Condensation, internal, peripheral, or external, is not related to a seal failure
- Distortion is a result of framing system and/or installation