



**PILKINGTON**  
NSG Group Flat Glass Business

# UK Technical Bulletin

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## **Pilkington K Glass™ and the Appearance of Haze**

Haze is an optical phenomenon which makes the glass look like it is covered in a very fine, uniform, layer of dust when viewed from an oblique angle or viewed under strong light incident on the glass at an oblique angle.

Pilkington **K Glass™** can, under certain lighting conditions, display this phenomenon to a limited extent.

The reason for this is that the Pilkington **K Glass™** coating is not as smooth as the glass surface. While this is not obvious to the eye when examining the glass, some people who regularly handle Pilkington **K Glass™** can tell which side the coating is on by the feel of it.

The optical effect of the slightly rougher surface is to scatter a small proportion of the light incident on it (in exactly the same way as a thin layer of dust would, which is why it looks similar). With Pilkington **K Glass™**, the amount of scattered light is generally less than half of one percent of the light coming through the window, so under most viewing conditions it is not obvious. However, when incident sunlight is at an oblique angle and the view through the glass is of a shaded area, then the scattered light can become more visible, giving rise to the appearance of haze.

Most coated glasses are susceptible to the phenomenon of haze, to a greater or lesser extent and the amount of haze on Pilkington **K Glass™** is limited as far as practicable.

**See also T2 Positioning of Pilkington K Glass™**

**V1 Pilkington K Glass™ in Single and Secondary Glazing**

**V2 Pilkington K Glass™ Tint**

**V3 External Condensation on Low Emissivity Insulating Glass Units**