



Technical Bulletin
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Low E Insulating Units – Coating Location

All Low E coatings must be sealed in the air space of the insulating unit, in order for the coating to work properly. Most Low E coatings are available only on clear float glass. A few Low E coatings are available on a tinted substrate. Unless instructed otherwise, ACI Distribution will position Low E coatings as follows:

Clear Low E Units

The Low E coating will be located on the air space side of the outboard lite of glass (# 2 surface). This provides the best performance for reducing air conditioning loads.

Tinted Low E Units

Tinted glass must always be located as the outboard lite of an insulating unit. Low E coatings that are available on tinted glass will be located on the air space side of the outboard lite of glass (# 2 surface). If the Low E coating is only available on clear glass, the tinted glass will be the outboard lite, and the coating will be located on the air space side of the inboard lite of glass (# 3 surface). In all cases, the tinted lite of glass must be Heat Strengthened or Fully Tempered to avoid thermal stress breakage.

Reflective Low E Units

Tinted reflective glass must be used as the outboard lite of an insulating unit with the reflective coating on either the # 1 or # 2 surface. The Low E coating will be located on the # 3 (air space side of the inboard lite) surface. The tinted reflective glass must be Heat Strengthened or Fully Tempered to avoid thermal stress breakage.

