



## Glass Technical Document

### Use of Applied Films, Paints, Etc.

Please be advised that applied films, paints and/or any item that alters an insulated glass product should be avoided. Applied films, paints, etc. are typically applied to the number one, number four or number six surface of an insulated/insulated laminated unit and alter the solar performance and/or thermal properties of the glass product. Typically, applied film or paint is limited to the daylight opening size of the framing system, which increases the temperature differential between the edge of the glass, contained in the glazing pocket, and the center of the glass. The differential is further accentuated if a solar control glass product, which uses a low-e coating, has been incorporated into the IGU configuration. Any increased differential in temperature can result in glass failure.

Further, no testing has approved any film and/or paint in conjunction with glass. There are a plethora of available types of films sourced from various manufactures with no consistency relative to the adhesives. Paints tend to off-gas at high temperatures, resulting in residue deposits that are visually apparent and objectionable over time. It is for these, and many other reasons, that applied films and/or paints should be avoided. For your information, the application of an applied film and/or paint voids most insulated glass manufacturer's warranties.

In summary, Tristar Glass will not provide a warranty for insulated glass units that incorporate the use of an applied films and/or paints.

Sincerely,  
TriStar Glass Products

Gregory A. Oehlers  
Executive Director Architectural Sales

TULSA  
1120 MAIN PARKWAY  
CATOOSA, OK 74015

DALLAS  
1790 WESTPARK DRIVE  
GRAND PRAIRIE, TX 75050

HOUSTON  
19522 ALDINE WESTFIELD  
HOUSTON, TX 77073

OKLAHOMA CITY  
4325 SW 29<sup>TH</sup> STREET  
OKLAHOMA CITY, OK 73119