

Coating Name	Coating Characteristics
Nano-structured polyurethane	Superhydrophobic, nano-roughened
Titanium dioxide fortified polyurethane	Smooth, erosion resistant, soft
Conductive polyurethane	Smooth, electrically conductive
UV cured acrylate based coating	Glassy, hardcoat, smooth
Nano-structured UV cured acrylate based coating	Hydrophobic, glassy, hardcoat, nano-roughened

Table 1 – Coatings Assessed in Icing Wind Tunnel Tests

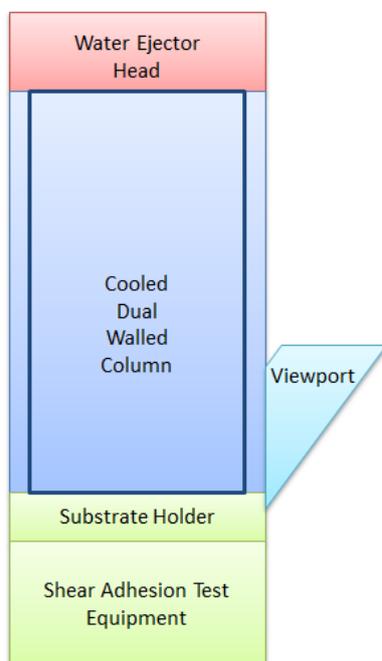


Figure 1 – Basic Diagram of the Lab-Based Ice Adhesion Device Concept



Figure 2 – Ice accretion on a sample viewed down the viewing port

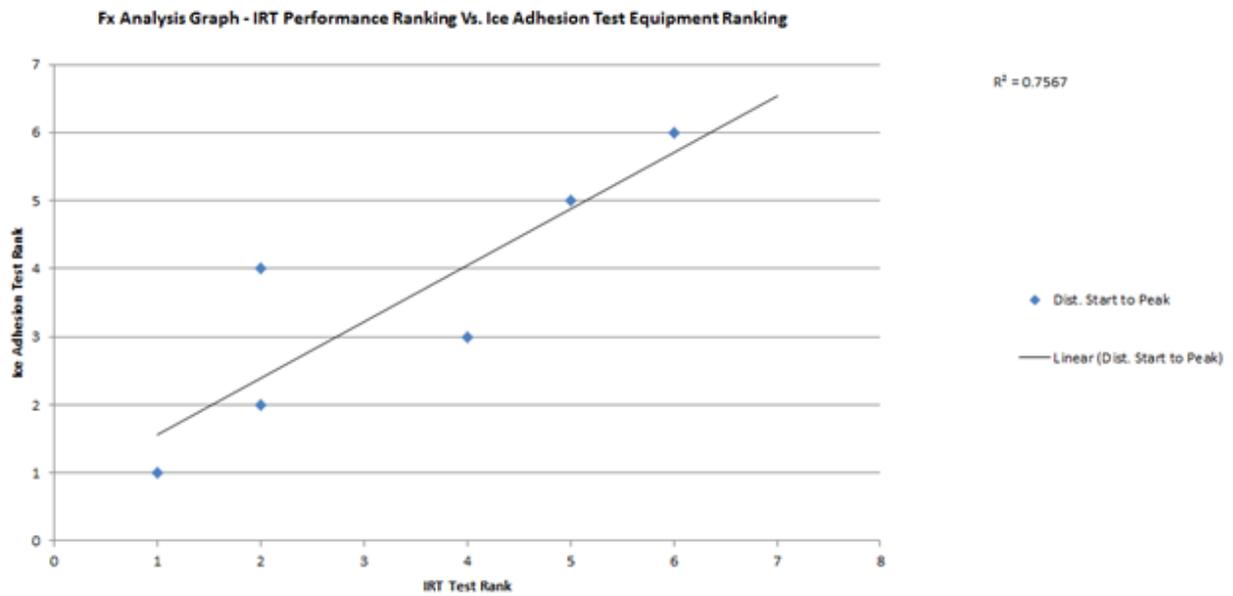


Figure 3 - Fx Analysis Graph showing the Icing Wind Tunnel Performance Rating against Ice Adhesion Test Rating