

JM CANTY

Process Technology

Canty Fuseview™ Sightglass Technical Specifications

- 1) **Physical Standards** – All Canty Fuseview™ sightglasses are engineered and manufactured to have a 10:1 safety factor. Canty’s proprietary fusing process, carried out at our new, State-of-the-Art facility in Buffalo NY, ensures glass and metal are integrally fused to provide a rugged, durable, high strength viewport that is the ultimate safety sightglass available anywhere.

- 2) **Materials** – Standard Canty materials include Hastelloy C, C276, and C22 as well as Carbon Steel with Nickel plating. (Duplex Stainless Steel is available but is not recommended as it is an inferior material which over time yields cracks in the glass and provides a smaller view diameter. Canty does not warrantee Duplex Stainless material)

The viewing medium is Canty Boro Plus™ glass which is a highly chemical resistant formulation engineered for fusing with metal. Boro Plus™ is a comparable composition to glass lining used in reactors and exceeds chemical durability of other glasses. This along with superior thermal expansion characteristics allows for construction of a window with greater view area, thermal resistance and strength than other fused products made with inferior materials such as stainless steel and borosilicate glass. Technical specification of the glass is as follows:

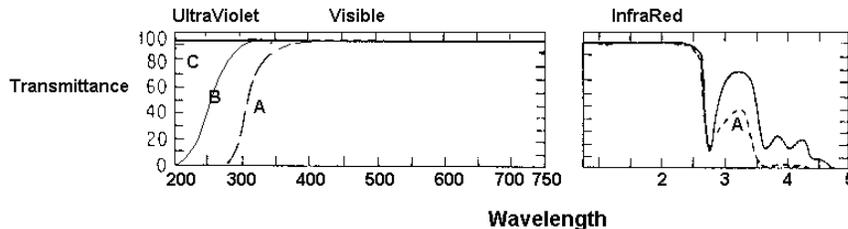
SiO2	AL2O3	B2O3	Na2O	K2O	MgO	CaO	BaO	Trace
75-81	1-2	0-5	5-15	0	0-3	0-5	0	

Fuseview Sightglass Transmission

A - Canty Fuseview Windows

B - 96%Silica (Reference)

C - Pure Quartz (Reference)



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