



## Low Iron Glass

‘Clear’ float glass is colorless when viewed face on. However, when viewed on the edge, clear float glass appears slightly green. This tinge is caused by the presence of iron oxide that is found naturally in the raw materials used in the float glass process. The thicker the glass the more apparent the green tinge becomes.

‘Low Iron’ glass is ultra clear, providing a higher degree of transparency than clear float. The clarity of low iron is achieved by removing most of the iron oxide from the float process. Colors that are viewed thru low iron glass appear more natural, and high performance low-E coatings placed on low iron glass will have a higher visible light transmittance. The finished edge of low iron glass will appear much more transparent than that of clear glass.

PPG Starphire, Guardian Ultrawhite, and Pilkington Optiwhite are all low iron options. They can be heat treated, coated with ceramic frit spandrel, laminated, and insulated just like regular clear glass.