

Heat Soak Testing

1. Heat Soak Testing: All fully tempered Glass shall be heat soak tested offline in order to convert Nickel Sulfide impurities to the stable beta phase. Statistical heat soaking shall not be permitted.
 - a) Heat soak test all fully tempered Glass in accordance with EN-14179 (Parts 1 and 2), including the following:
 - 1 Holding Phase Glass Surface Temperature: 260 deg-C (+/- 10 deg-C) maximum
 - 2 Holding Phase Duration: 2 hours minimum
 - b) Latest calibration test log, stillage, and separators shall be in accordance with EN- 14179 (Parts 1 and 2). Stillage and separators used during heat soak testing shall not vary from calibration test.
 - c) Each pane of heat soak tested fully tempered glass shall be traceable to individual float glass batches and heat soak test batches, so that, in the event of failure, it is possible to identify and locate all Panels from their respective float glass batches and heat soak test batches.
 - d) Written warranties against nickel sulfide inclusions in lieu of heat soak testing will not be accepted.
 - e) Heat soak tested fully tempered glass shall be checked for minimum residual compressive surface stresses (per ASTM C1048) and safety glazing performance (per 16 CFR Part 12 and ANSI Z97.1) after heat soak testing.