

Glassplate

Pushing the limits !

As the go-to provider of composite wear plates, Welding Alloys Integra™ has developed a welded overlay plate dedicated to applications in the glass industry.

Glassplate has a unique market position. It contains less than 0.05% nickel which reduces the risk of nickel contamination in the glass product itself.



Features

- Specific development of a high-chromium cast iron with low nickel content compared to quenched & tempered steels
- Total nickel content less than 0.05%
- High chromium carbide content resulting in substantially increased wear resistance
- Typical hardness of 62 – 64 HRC
- Stringer bead welding

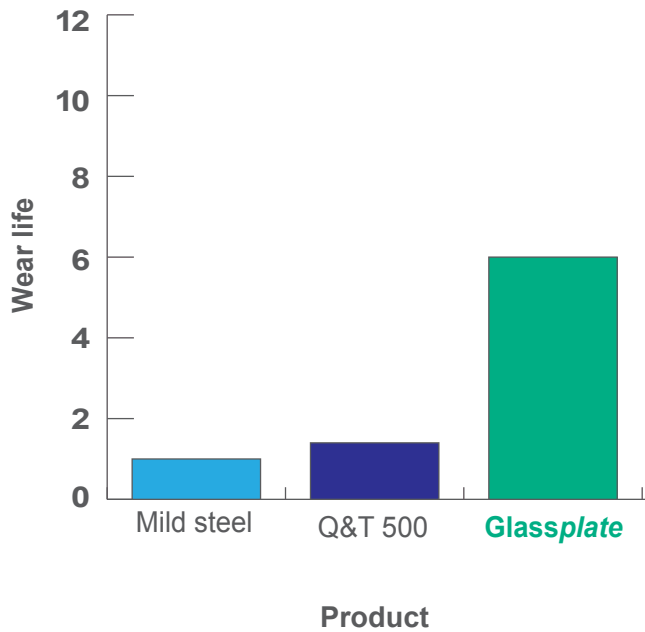
Benefits

- Reduced risk of nickel sulfide (NiS) formation, hence reducing spontaneous glass failure
- Increased safety, especially in the building industry
- Outstanding abrasion resistance
- High corrosion and oxidation resistance



Outstanding abrasion resistance

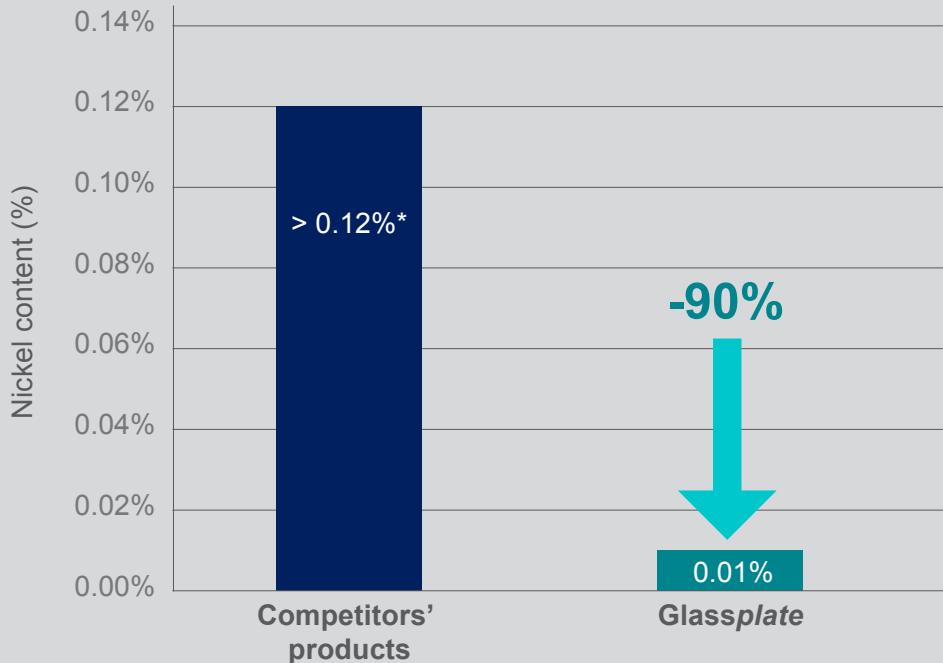
ASTM G-65 Wear Test (independent laboratory)



Glassplate
Standard dimensions:
1400 x 2900mm
1900 x 2900mm
Standard thickness:
5 – 15mm

The results compare the wear life of various products tested. Glassplate has outlasted 500 BHN quenched and tempered material by a factor of 4.

Very low nickel content for stronger glass!



Very low Nickel content considerably reduces the risk of nickel sulfide (NiS) formation which provides stronger glass with a lower risk of spontaneous glass failure.

* Results obtained from measurements taken from various samples

