

Tempered glass is +/- five times stronger than un-tempered glass of the same thickness. This is because the glass is heated at a high temperature. Through a heat and cold process, or hardening process, you get the protective granular effect when glass breaks. Tempered glass falls into small pieces when broken. From a safety point of view, this is a very important advantage. The small shards of tempered glass do not cause deep wounds like shards of normal glass.

Here is the visual difference between normal and tempered glass:

