



## Tough to the core™

Gensteel Doors offers a full range of standard hollow metal doors, embossed doors, custom lite doors, stainless steel doors, fire rated doors, hurricane resistance doors, tornado resistance doors, welded or knock-down steel door frames and more.

We offer a wide selection of standard, ready-to-ship products as well as custom architectural, engineered products to fulfill any construction design and application. Doors are 1¾ inch thick and are available in 14, 16, 18, and 20 gauge. Custom made stainless steel, lead-lined (x-ray) and G90 galvanized steel doors are also available.



No other door resists delamination like a Gensteel door. This is because it is manufactured using the unique **GenForce™** bonding process.

The process begins with thorough verification of all the materials. With rigorous quality control at every step of production, the components of the door are laminated together into an ultra-resistant assembly that will perform for decades to come. Gensteel doors are guaranteed against delamination for an unprecedented 10 years.

**At Gensteel, we've always known our doors are tough.** We make them that way. And now, there's proof. A recent series of five tests conducted by an independent laboratory rated Gensteel doors superior to five comparable brand name products. Good news for our customers, who now have solid evidence that they're making the right choice.

Gensteel doors and frames are the highest quality throughout and built to last for generations. They constantly surpass industry standards. The five tests conducted by Intertek Testing Services compared the Gensteel standard 20-gauge galvanized steel model with honeycomb core to five other comparable leading brands.

Together, all the doors represent about 1/3 of the total market.

Five key performance factors were evaluated -**resistance to break-in, deflection, delamination, twisting, and corrosion.**

**32%**  
MORE BREAK-IN RESISTANCE

Break-in resistance was measured with an impact weight of 9.3 lb dropped on the door at the latch point from incremental heights until the latch yielded under impact. (Test inspired by ASTM D-1037-99)

The Gensteel door ranked best in the test with **32% more break-in resistance than the next best door and 129% more than the least performing door.**

**20%**  
MORE RESISTANCE TO DEFLECTION

Deflection was tested by incremental weights loaded on an I-beam across the width of the horizontally-installed door. (Test inspired by ASTM C-203-99).

The Gensteel door ranked best in both the loading and residual deformation with **less than half the deflection** of the lowest performing door and 80% of the second best door.

**30%**  
MORE RESISTANCE TO DELAMINATION

The delamination test involved pull suction on both sides of the door at the same time, followed by a tensile test until delamination occurred. (Test inspired by ASTM C-297-04)

The Gensteel door ranked first withstanding **significantly more pressure** and resisting delimitation at **30% more load** than the next best door. The lowest rankign door delaminated at a mere 10% of the load and pressure of the Gensteel door.

**37%**  
BETTER RESISTANCE TO TWISTING

In the twist test, the door was supported at three points while the free corner was incrementally loaded with weights.

The Gensteel door ranked second in the loading phase, with 9% more deflection than the top door, and best in the residual phase, with **63% of the permanent deflection** of the second best door.

**No. 1**  
FOR CORROSION RESISTANCE

Corrosion resistance to regular basic salt spray was measured on a 6" x 6" section of the door installed in

**G-10** WARRANTY

Gensteel doors come with an unrivalled 10-year warranty against delamination. Our warranty also covers rust perforation (10 years) and material and/or

a salt spray cabinet for 72 hours. (Test performed as per ASTM B-117-03).

The Gensteel door ranked **best in corrosion resistance in the unpainted doors.**

workmanship defects (2 years).

For full warranty details contact Gensteel Doors at **1-866-GENSTEEL (436-7833).**

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