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FBH ARCHITECTURAL SECURITY
Commercial Doors and Hardware

STEELCRAFT®

Honeycomb core



The open, honeycomb design of the Steelcraft core adds strength without creating bulk that can't be recycled.

Core strength, Earth friendly Steelcraft doors are built to last – but not in landfills

Unique honeycomb construction

While other manufacturers simply fill their doors with a polystyrene compound, Steelcraft builds a core with greater strength and performance. The unique honeycomb design uniformly distributes support throughout the core, helping it stand up to the demands of heavy traffic areas. Honeycomb core doors weigh about 30 pounds less than comparable steel stiffened doors, but have better cycle and twist test performance.

Crafted for durability

The Steelcraft honeycomb core is sanded, impregnated with resin, cured, then bonded into position. Finally, the entire structure runs through a set of pinch rollers to ensure the bond is set. Performance studies show this door outperforms all others in its class, meeting the requirements Of fire-rated doors from 20 minutes to 3 hours.

Think green

In direct analysis against traditional polystyrene cores, Steelcraft Hexacomb® material offers the necessary core strength in a more environment-friendly way.

The Alliance of Packaging Recyclers reports the following:

Recycle rates

Hexacomb	78.3%
Polystyrene (EPS)	19.3%

Plus, EPS is difficult to recycle due to its light weight and low scrap value. The majority of EPS ends up in landfills or waterways where it can take centuries to decompose while it harms birds and marine wildlife. By comparison, even if the Hexacomb material is not recycled, it will lose 90% of its volume quickly due to its hollow cell structure.

About Allegion

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