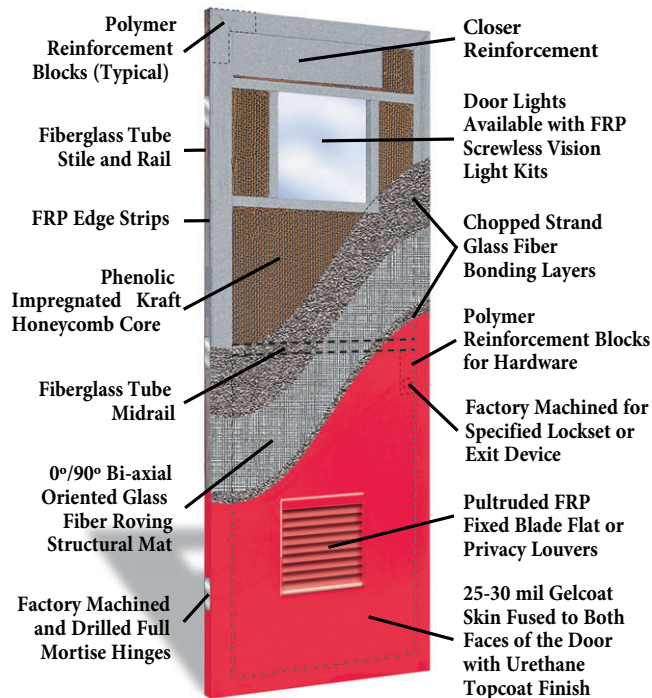


# Heavy Duty Series



The Tiger Heavy Duty Door Series starts with a core that consists of a 3/8" triangular cell phenolic-impregnated kraft honeycomb surrounded by a rigid high-modulus, pultruded FRP tubular structural stile, rail and mid-rail sub-frame. At each of the sealed corner joints and hardware locations of the sub-frame, non-hygroscopic polymer blocking is inserted as reinforcement, providing the ultimate in strength for screw retention and compression resistance.

The skins for the door begin with the application of an "in-mold" 25-30 mil gel coat. Then a chopped strand glass fiber mat is applied to form the connective tissue, followed by a muscular bi-axial glass fiber structural reinforcement layer that further strengthens the door skins.

Finally, the composite skins are simultaneously fused onto both faces and all edges of the door under pressure until cured — not only to the FRP sub-frame but to the entire honeycomb core—forming a bond that fully integrates all the components. This highly advanced method of assembly using press-mold technology is only available from Tiger Door. Each door is factory finished with a specially formulated multi-component polyurethane industrial chemical coating for the semi-gloss color topcoat.

The Tiger Heavy Duty Door Series comes with a limited lifetime warranty and provides excellent service life and corrosion resistance for the most severe environments.

TIGER DOOR HEAVY DUTY SERIES	
Product Features	Product Specifications
Door Structure Type	Perimeter Stile and Rail
Midrail	Horizontal Midrail
Door Structure Material Type	Pultruded Fiberglass Tubing 1½" X 1½" square, 1/8" wall thickness
Stile/Rail Glass Content (Glass to Resin Ratio)	50% (1:1)
#12 Sheet Metal Hinge Screw Pullout Resistance	900 lbs <sup>1</sup>
Lockset Reinforcement	Perforated Polymer Blocking and/or Minimum 20 lb/ft <sup>3</sup> Density Polymer Blocking
Closer Blocking	Minimum 20 lb/ft <sup>3</sup> Density Polymer Blocking and/or Perforated Polymer Blocking
Hinge Mortise Machined By Manufacturer	Standard
Standard Core Material	3/8" Triangular Cell Phenolic Impregnated Kraft Honeycomb
International Building Code Chapter 26 Compliant Core Material	Yes
Door Skin Fiberglass Reinforcement	Bi-Directional Knitted Fiberglass Roving and Chopped Strand Fiberglass Mat
Assembly Process	Fused By Press Molding
Size Limitations (Seamless)	Single 5' X 12' Double 10' X 12' <sup>2</sup>
Window / Louver Cutout Reinforcement	Pultruded Fiberglass Tube Molded In
Standard Window Profile Material	Pultruded Fiberglass Standard, Metal Kits are Optional
Standard Window Profile	45 Degree Sloped Stops <sup>3</sup>
Standard Window Profile Attachment	Hidden Fasteners <sup>4</sup>
Louver Profile Material	Pultruded Fiberglass Standard, Metal Kits are Optional
Fiberglass Louver Profiles	V and Flat Blade
Lock Pocket Machined By Manufacturer	Standard <sup>5</sup>
Color Coat Finish	Industrial Polyurethane Coating, Optional Primer
Surface Sheen	Semi-Gloss
Color Availability	3 Standard (White, Tan, or Gray), 24 Pre-Matched Colors, Custom Color Match Available <sup>6</sup>
Warranty	Heavy Duty fiberglass doors are guaranteed for the life of the product against delamination and failure due to corrosion from the specific chemical environment named at the time of purchase. Tiger Doors are also guaranteed for the life of the product to meet the door industry standards for flatness.  Furthermore, all products are inspected prior to shipment and guaranteed against defective workmanship for a period of ten (10) calendar years after the date of purchase. <sup>7</sup>

1.Hinge screws provided by Tiger Door and are recommended to be used for hinge installation. 2. Larger seamed panels are available. 3. Optional configurations including square stop, angle stop, molded square stop, single flush and double flush glass are available. 4. Hidden fasteners are available for 1/4" glazing, fasteners will be required for other glazing thicknesses. 5. Please refer to the Tiger Door Standard Hardware Policy for machining limitations. 6. Please refer to the Tiger Door Color Selection Guide for color selection. 7.For complete Warranty information, conditions, exceptions and remediations, please refer to Tiger Door Statement of Warranty.



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