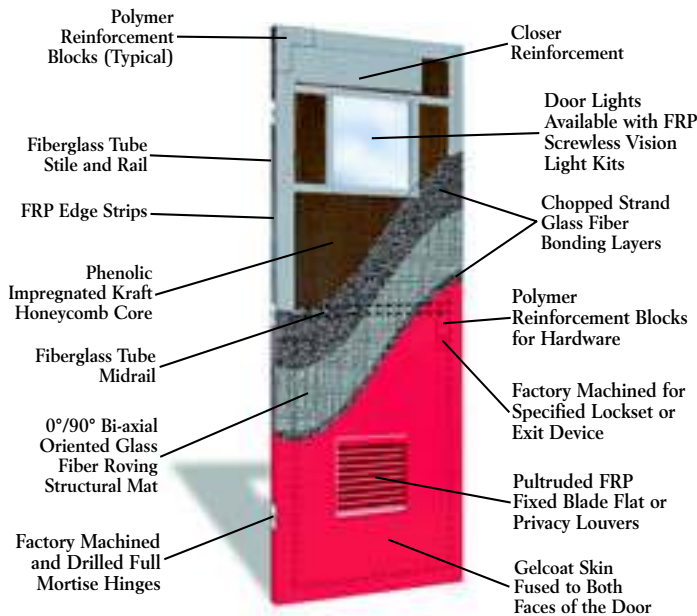


Heavy Duty Series



The Tiger Door Heavy Duty door core frame starts with a high-modulus, pultruded FRP tubular backbone. This structural stile, rail, and midrail of the sub-frame provides a large portion of the doors' tremendous endurance. 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 cavities between the FRP faces and within the tubular stile and rail sub-frame are then filled completely with a phenolic impregnated honeycomb.

The skins for the door begin with the application of an "in-mold" tough satin textured color gel coat. Chopped strand glass fiber mat forms the connective tissue, followed by a muscular knitted 3-layer oriented strand glass fiber structural reinforcement. The multi-directional reinforcing further enhances the great strength of the door.

Finally, the skins are simultaneously fused onto both faces and all edges of the door under heat and pressure until cured - not only to the FRP sub-frame but to the entire honeycomb core as well forming a nearly inseparable bond. This highly advanced method of assembly using press-mold technology is only available from Tiger Door.

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 1 1/2" X 1 1/2" 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. ¹
Lockset Reinforcement	Perforated Polymer Blocking and/or Minimum 20 lb/ft ³ Density Polymer Blocking
Closer Blocking	Minimum 20 lb/ft ³ 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' ²
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 ³
Standard Window Profile Attachment	Hidden Fasteners ⁴
Louver Profile Material	Pultruded Fiberglass Standard, Metal Kits are Optional
Fiberglass Louver Profiles	V and Flat Blade
Lock Pocket Machined By Manufacturer	Standard ⁵
Color Coat Finish	Molded In Gelcoat, 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 ⁶
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. ⁷

1. Tiger Door recommends that the screws provided and installed at the factory be used for hinge attachment. 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



P.O. Box 70, 574 West Otterman Street
Greensburg, PA 15601-0070 U.S.A.
Tel: 724-834-7300; 1-800-979-7300

Fax: 724-830-2871
E-mail: info@tigerdoor.com
Web: www.tigerdoor.com