



**FEATURES AND BENEFITS:**

Spartan Series Doors offer the following standard unique features, which enhance long term performance and durability.

1. Polystyrene core system enhances the structural integrity of the door, while significantly reducing the weight.
2. Full height, epoxy filled mechanical interlock edges provide structural support and stability along the full height of the door edges.
3. Patented universal hinge preparations allow for easy field conversion from standard weight (.134) hinges to heavy weight (.180) hinges.
4. 18 gage top and bottom channels provide stability and protection for the top and bottom edges from abuse.
5. Square hinge and lock edges allow for non-handed options and eliminate handing issues in the field.
6. All steel glass trim provides a clean, neat, and flush finish with the door surface.
7. Factory applied baked on rust inhibiting primer in accordance with ANSI A250.10.
8. Calculated R-Value of 7.14

**ABOUT THE PRODUCT:**

The Spartan Series Doors are designed to meet the architectural requirements for hollow metal doors. This premium door construction combines the strength and dimensional stability of steel with the structural integrity of the a polystyrene core. The continuous bonding of core to metal provides an attractive flat door, free of face welding marks. Windstorm Tests have proven that the Spartan door has integral high resistance to impact damage, low thermal conductivity, and high STC ratings. To meet application, specification and performance requirements, the Spartan doors offer a wide range of specifiable options including sizes, glass lite designs, hardware (mechanical, pneumatic, electrical) preparations and edge constructions.

**SPECIFICATION COMPLIANCE:**

1. Door construction for the Spartan Series Hollow Metal Doors meets the requirements of ANSI A250.8-1998 (commonly referred to as SDI-100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-1997. Locations are in accordance with ANSI/DHI A115.

**FIRE RATINGS:**

The Spartan Series doors meet the broadest fire rating requirements. They are listed for installations requiring compliance to both negative pressure testing (ASTM E152 and UL-10B) and positive pressure standards (UBC 7-2 and UL-10C)

| Steel Thickness                   | Opening             | Usage Frequency <sup>1</sup> | Frame Applications        |
|-----------------------------------|---------------------|------------------------------|---------------------------|
| 16-Gage Galv anealed <sup>2</sup> | Interior & Exterior | Extra-Heavy Duty             | 16 & 14-Gage Steel Frames |
| 18-Gage Galv anealed <sup>2</sup> | Interior & Exterior | Heavy Duty                   | 16-Gage Steel Frames      |
| 20-Gage Galv anealed <sup>2</sup> | Interior & Exterior | Standard Duty                | 16-Gage Steel Frames      |

<sup>1</sup>Usage frequency is based on ANSI A250.8-1998

<sup>2</sup>Reinforcements for galvanized doors are also galvanized

**MATERIAL:**

All doors are supplied with a factory applied baked on coat of paint, depending on environmental conditions this factory applied paint may serve as a finished paint or may be finish painted in the field.

| Core Material | R-Value | U-Value |
|---------------|---------|---------|
| Polystyrene   | 7.14    | 0.14    |
| Polyurethane  | 11.01   | 0.091   |

**PROPRIETARY AND CONFIDENTIAL**

THIS INFORMATION IS THE SOLE PROPERTY OF TELL DOORS & WINDOWS, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TELL DOORS & WINDOWS, LLC. IS PROHIBITED.

| Core Material | STC-Rating |
|---------------|------------|
| Polystyrene   | 33         |
| Polyurethane  | 31         |