

STANDARD SPECIFICATIONS
IMPACTABLE COMPOSITE PANEL
Section 08 34 19 Industrial Doors

PART 1 – GENERAL

1.1 Construction requirements:

- Design panel to withstand wind load of 21 psf (velocity of 90.5 miles/hour) with a maximum horizontal deflection of 1/120 of opening width.
- Panel to be made using Fiber Reinforced Plastic (FRP) composite skins.

1.2 Warranty: Thermostop Impactable Composite Panel carries a warranty of one (1) year against any defect or faulty workmanship.

PART 2 - PRODUCT

2.1 Material:

- Impact resistant Fiber Reinforced Plastic (FRP) composite skins
- Expanded polystyrene (EPS) foam core
- Commercial aluminium extrusions 6063 T5
- 16ga. G-90 galvanized steel in conformity with ASTM A653

2.2 Reference product: Impactable Composite Panel, as manufactured by **THERMOSTOP INC.**, 3775 Losch boulevard, Longueuil, (Québec), Canada, J3Y 5T7, Tel.: 450-678-8666, Fax: 450-678-7765, www.thermostop.com

2.3 Insulation, skins & finish: Expanded polystyrene (EPS) foam core shielded on both sides by impact-resistant Fiber Reinforced Plastic (FRP) composite skins, white finish.

2.4 Panel height: 24” or 21” high.

2.5 Thickness: 2” (50mm) thick.

2.6 Bottom weather seal: U-shaped, flexible PVC weather seal, retained in a heavy duty extruded aluminum retainer, securely fastened to the bottom of the door.

2.7 End caps: Sections are equipped with 16ga. (1.42mm) thick galvanized steel end caps.