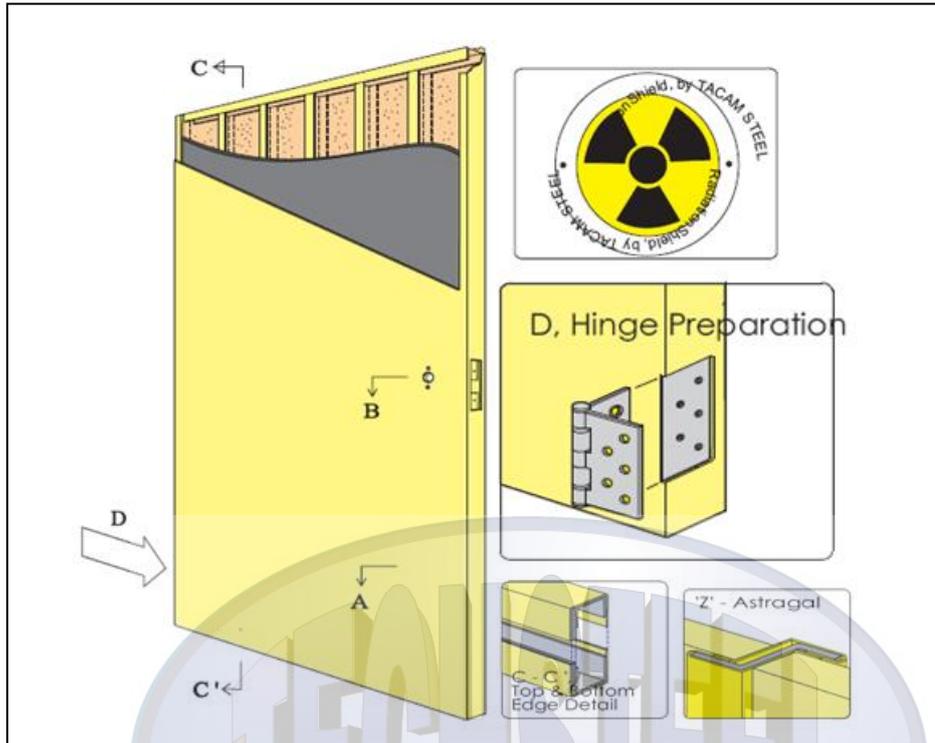


# TACAM

## LEAD-LINED STEEL DOORS

### Series: RadiationShield™



**Fire Rating:** Up to 4 hours (240 minutes).

**Test Standards:** BS 476:Part 22:1987; ISO 3008; SS 332:2007.

**Specifications:** *Standard doorset includes:*  
**Doorleaf:** 47 mm thick door-leaves formed from (A) 1.5 mm electrogalvanised (zinc-coated) steel skins constructed with a radiation absorbing lead lining (material and thickness in accordance with specifications of a qualified person, e.g. a health radiation physicist, custom-tailored to the type of radiation emitted by the medical equipment in use), reinforced with internal C-profiled stiffeners, insulated with proprietary core infill, complete with preparation for locks and reinforcement plates for overhead door-closer. The door panel has the appearance of a normal door but affords the required protection against radiation hazard.

**Frame:** Frames are formed from 2 mm electrogalvanised (zinc-coated) steel lined with a radiation absorbing lead sheet (see panel detail above for specifications), complete with mortar boxes and preparations for hinge, door-closer and strike.

**Finish:** Primer coat only unless otherwise specified.

**Hardware:** Hardware preparations are provided as standard for 2-3 heavy duty hinges, one door-closer and (B) mortise or cylinder lockset. Additional hardware preparations will attract additional charges accordingly.

**Double-Leaf Doorsets:** Equal, or Unequal, door leaves. Additional hardware preparations include flush-bolt provisions for idle side, additional door closer reinforcement.

**Weight:** 900 x 2,000 mm Leaf 70-80 kg/m<sup>2</sup>, depending on lead thickness.

**Maximum Sizes:** Door Frame Size, Width x Height (in mm)  
*Single Leaf* 1,300 x 2,700 mm  
*Double Leaf* 2,400 x 3,000 mm

**Cyclic Tested:** In excess of 100,000 open and slam-shut cycles.

**Options:**  
**Doorleaf:** 1.5 mm stainless steel door.  
**Frame:** 1.5 ~ 2.0 mm stainless steel frames; seals; stainless steel striker plate for lock; preparation for electric strike or sensor.  
**Sill:** Customised profiles in stainless steel or electrogalvanised steel, lined with a radiation absorbing lead lining.  
**Finish:** High pressure laminate on one or both sides. *Paint finished.*  
**Additional Preparations:** Additional preparations can be made for most hardware, including, panic devices, floor springs, pivot hinges, concealed door coordinators (for double leaves), kick and push plates, push and pull handles, etc.

**NOTE:** Design details may differ for different approvals. Tacam™ and RadiationShield™ are registered trademarks of Techsteel.