



INSTALLATION

The single skin DURAFIRE® DD single leaf door is suitable for incorporating in barriers where up to 240min fire integrity is required.

The use of the single skin DURAFIRE® DD Door leaf is limited to a maximum leaf size of 2275mm x 1075mm when used in DURASTEEL® Integrity Only Barriers. For use of this doorset in fully insulated DURASTEEL® Fire Barriers, contact Etex Building Performance technical team.

The DURAFIRE® DD door leaf may be installed in any of the following configurations:

- Opening towards the fire, installed in a barrier with exposed framework
- Opening away from fire, installed in a barrier with exposed framework
- Opening towards fire, installed in a barrier with unexposed framework
- Opening away from fire installed in a barrier with unexposed framework

INTRODUCTION

The DD range of high performance steel doors is unique to Promat. The manufacturing process, along with the design of the products, offers flexibility in configurations and performance. The single skin DURAFIRE® DD doorset can be supplied as an integral part of the DURASTEEL® fire protection barrier system.

The single skin DURAFIRE® DD single leaf door is now certified to BS EN 1634-1: 2000, and may be used to provide up to 240min fire integrity, in single skin DURASTEEL® barriers.

IRONMONGERY:

The door leaf is fitted with 3-way shoot bolt mechanism, handle set and rose plates, together with two hook and ride hinges and mid height retaining bracket. Where the door is required to provide fire resistant periods above 60mins, a third hinge must be used at mid height of the door in place of the usual mid height retaining bracket.

The single leaf doorsets must incorporate a fully engaged 3-point latch and be fitted with a CERTIFIRE® approved closer for use on uninsulated steel doorsets, with sufficient power to ensure that the door latches fully when closed from any angle.

RADIATION PERFORMANCE

Time (minutes)	Maximum Radiation
60	10kW/m ²
120	15kW/m ²
240	20kW/m ²

AUTHORITY: BODYCOTE WARRINGTON FIRE - WF ASSESSMENT REPORT 178493 ISSUE 2 (TO BS EN 1634-1: 2000)



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