

Construction

DOOR ELEMENTS

Strength:
Heavy duty.

Leaf thickness:
44mm

Door frame:
One piece fully welded flush frame
(1.2mm Galvanized Steel)

Door leaf:
1.2 galvanized steel leaf with honey
comb bonded core

Configuration:
Available in single & double door
configuration

Steel door finish:
All steel frames and leaves are factory
finished in a high quality epoxy
polyester powder coating in RAL
exterior grade polyester, applied at 18
– 20 micron dry film thickness over 4 –
6 microns of anti corrosive primer as
supplied by BASF. The gloss level will
be 35% +/- 5% depending on substrate
interaction.

Frame options:
Steel / Timber / Glazed

Vision panels:
Fully flushed double glazed units 6mm
clear float toughened glass (both side)

Steel door:
Manufactured from 1.2mm zinc coated
mild steel with interlocking seams to
vertical stiles, incorporating horizontal
and vertical stiffeners, inverted top
and bottom channels to provide a flush
faced, double skin construction of
44mm overall thickness. honitel
bonded or insulated core to suit the
application. Doors are mortised and
reinforced for hardware

Glazed doors:
Manufactured 1.2mm zinc coated mild
steel with 100mm to 300mm steel
surrounds, the vision panel size up to
1750mm x 750mm, the glass thickness
may vary according to the project
requirements

Geometrical features

DIMENSIONS

Module Height:
2200mm with flush over panels to over
all partition height

Module width:
1000mm single leaf & 2000mm double
leaves with flush over panels to over
all partition height

Options

Door set:
All sets are supplied for manual
operation or they can be automated &
activated by various means push
button, infrared etc. interlocking
systems can be accommodated with a
factory fitted electrical solenoid bolt, a
slim flush unit concealed with in the
door lintel & housing a stainless steel
dead bolt with a 16mm throw into the
door leaf.

Leaf options:
Sliding door:
Options of single leaf or bi-parting to
provide clear openings of either
900mm or up to 1800mm

Overview:
Norwood manufactures both steel and
glass doors for different working
applications and understands the
importance of both the aesthetic and
the functionality of doors into
demountable partitioning systems.
We take into consideration many
different factors whilst working
through the design process. Such as
the end use of the working
environment, usage, demographic of
people, site access and age of building
to name a few.

Acoustics

WEIGHTED AIRBORNE SOUND REDUCTION INDEX

Steel door:
Rw (C; Ctr) = 28 (-1;-1) dB
with drop-seal & std. door
tested with MED-80 partition wall
standard door

Steel door:
Rw (C; Ctr) = 25 (-0;-0) dB
with drop-seal deactivated
tested with MED-80 partition wall

Steel door:
Rw (C; Ctr) = 28 (-1;-1) dB
with enhanced door
tested with MED-80 partition wall

Sound reducing doorsets are
specifically designed to obtain noise
reduction by use of acoustic glass &
upgraded door infill's seals. An
effective solution where acoustic
performance is a key feature, whilst
maintaining architectural standards of
appearance and the requirement for
personnel access.

Further enhancements can be made
to increase the sound reduction
index, guidance can be given on
request.

Fire

FIRE RESISTANCE

Dependent on design characteristics
up to:

High performance door sets providing
30 minute to 90 minutes fire resistance
when tested in accordance with BS
476, part 8 & 22

Steel Doors: 90 minutes

In accordance with BS Test standards.