

**IMOLA**  
TIMBER PARTITION



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Oak. Double glazed.  
Mullion free glass to glass dry joint.  
Full height standard door set.



**Module Options:**

Glazed Mullion or Glass to Glass  
(Dry Joint Gasket or optional silicon)

1. Single Centre
2. Single Offset
3. Double

**Door**

1. Standard door and frame
2. Flush face door and frame
3. Concealed doorframe with sequentially matched veneer panel and door

**Solid**

1. Wrap round transition
2. Flush shadow gap
3. Veneer panel  
(prepared for room book system)

American Black Walnut. Single glazed offset.  
Mullion free glass to glass dry joint.  
Full height standard door set.



The Imola partition system is manufactured in West Sussex, producing doors, frames, fire screens and veneered panels. The Imola team are thus able to produce a fully co-ordinated project component delivery that recognises project lead times as crucial and when site events compress the completion schedule are able to support fast track demands.





01 Double glazed wall start

02 Transition solid to double glazed

03 Mullion single centre glazed

04 Transition shadow gap solid to single centre glazed

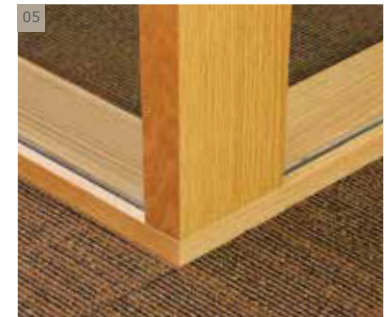
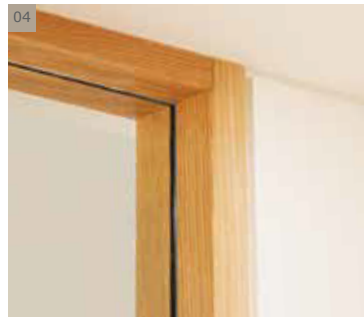
05 Corner post offset single glazed



American White Oak  
(quarter cut)

Double Glazed Screens  
Rw 51dB

Timber Doors Rw  
37dB

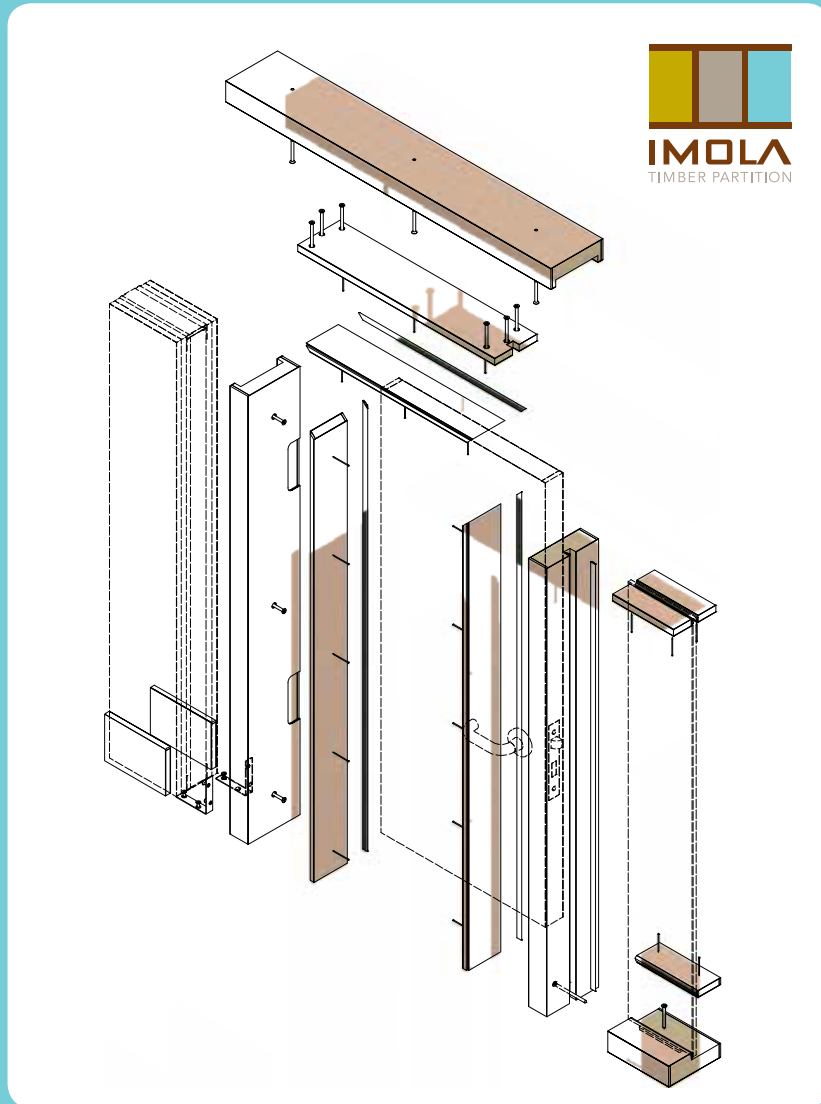




## IMOLA METHOD OF BUILD

## IMOLA PARTITIONS

To assist in the installation of the Imola frame system and final glazing a number of graphic method of build guides have been developed. Should any onsite difficulties be encountered by the specialist sub contractor the Forza technical team are available to assist for "on time" project completion.



**FZD5043** Concealed doorframe and veneered panel guide

**FZD5044** Standard door and frame guide

**FZD5045** Flush face door and frame guide

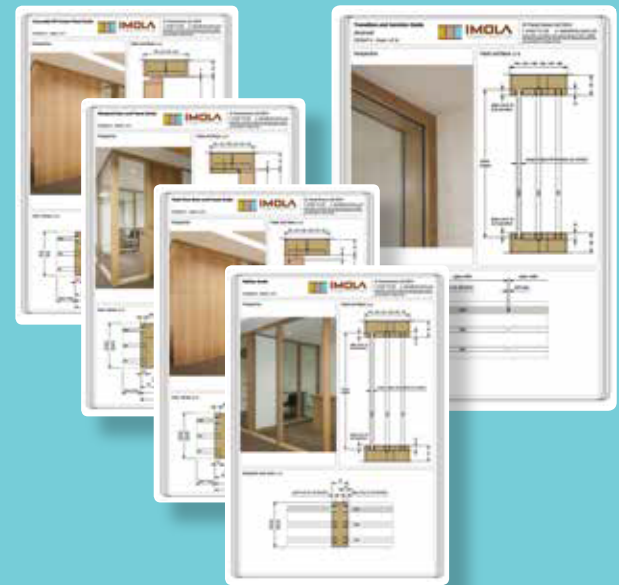
**FZD5046** Mullion guide

**FZD5047** Transition and junction guide

**FZD5048** Glazed corner guide

**FZD5049** Transom and deflection head guide

**FZD5050** Glazing and door gasket guide



All IMOLA Method of Build PDF specification sheets are available to download from a member of our team  
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American Black Walnut.  
Single centre glass to  
glass dry joint.  
Full height standard  
door set.



## IMOLA SYSTEM PERFORMANCE AND COMPONENT DETAIL

## IMOLA PARTITIONS

Imola has mastered the challenge of achieving aesthetic design combined with the performance requirements of Fire, Acoustics and Structural Stability. Standard dimension components are manufactured to project specific finishes enabling the client design team to create a visually unique workspace.

### FIRE

The Imola partition system in both Mullion and Mullion free formats have been tested and assessed in accordance with the method and criteria of BS476: Part22: 1987.

The product specifications of Forza firescreens and the Imola Timber partition system to achieve integrity / insulation performance criteria of **FD30/0, FD30/30, FD60/0, FD60/30 and FD60/60** are detailed in IFC Schedule reference PAR/11294/01 Rev B.

### STRUCTURAL

The Imola Partition system has been subjected to a number of physical tests and CAD finite Element analysis simulations to confirm the structural stability complies with guidelines for Strength and Robustness detailed in various British standards.

Imola screen and partition systems fall within the recommended maximum displacement of 25mm detailed in BS6180-2011 and achieve a **severe duty grade** performance for partition stiffness (test annex A) detailed in BS5234-2.1992.

Test	Test Series BS 5234-2	Applied Load	200/100 Series (Standard) Permanent Displacement	Range Timber Frame Test BS5234-2:1992 Annex A
Intermediary of partition stiffness	A	200 N to 1000 N (100 N increments)	0.5mm	0.5mm
Final load of partition stiffness	A	200 N to 1000 N (100 N increments)	0.5mm	0.5mm
Intermediary of resistance to wind pressure	G	200 N to 1000 N (100 N increments)	0.5mm	0.5mm

Comparison: \*Final wind load is an extra reference only, not the standard Annex A of BS5234-2:1992

Extract from drawing FZD5059

### ACOUSTICS

The Imola timber partition system has been tested at Sound Research Laboratories to determine the sound reduction index of various glass combinations in accordance with BS EN ISO 10140-2-2010.

The results of the measurements (reported in accordance with BS EN ISO 717-1:1997) and subsequent analysis are given in data graphs available at: [www.forza-doors.com/imola/acoustics](http://www.forza-doors.com/imola/acoustics).

The laboratory sound insulation characteristics of the Imola timber frame system & principle glass combinations are:

Single Offset or Single Central Glazed

- 10mm toughened glass - **34dB<sub>Rw</sub>**
- 12mm toughened glass - **35dB<sub>Rw</sub>**

Double Glazed

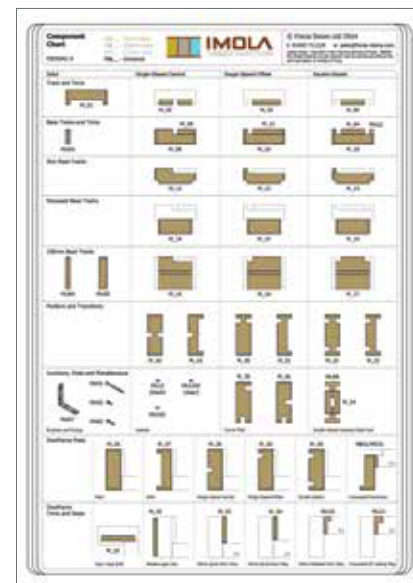
- 10mm & 12mm toughened glass - **49dB<sub>Rw</sub>**
- 10mm toughened glass & 12.8mm acoustic **51dB<sub>Rw</sub>**
- 12.8mm toughened glass & 16.8mm acoustic **54dB<sub>Rw</sub>**

### COMPONENTS

Imola standard components comprise of 45mm frame sections for head, base, mullions, door and junctions to suite with solid structural depths of 75mm(MA), 100mm (MB) and 122mm(MC).

Where project specific site dimensions require alternate frame dimensions, the Imola technical team are available to assist the specifier in detailing the frame system to ensure performance criteria are maintained.

All specification certification technical guides and drawings can be supplied by our team  
e: [info@allied.ie](mailto:info@allied.ie) p: +353 1 853 2222

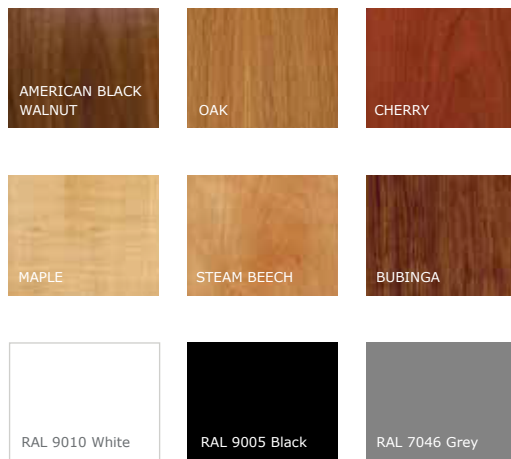




Crown cut oak. Concealed door frame.  
Sequentially matched veneer door and panel set.

## IMOLA FINISHES

The benefit of the composite design of the Imola system incorporating veneer, timber and MDF allows the designer an extensive choice of commercially available veneers or paint finishes.



For a more extensive choice of finishes visit:  
[www.forza-doors.com/veneer & finishes/the art within](http://www.forza-doors.com/veneer&finishes/theartwithin)



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When specified and ordered accordingly the Imola partition system is available as FSC/PEFC compliant



The IMOLA Timber Partition system falls within Glazed Partitions of the RICS Ska rating system as it meets the criteria "are re-locatable and are manufactured in a factory that has achieved and maintains an environmental management system in accordance with BSEN ISO 14001" .Ska ID M09 Rank 55.