



Customer Information to be read on receipt of Shadbolt doors and prior to installation

Shadmaster 30 - FD30 BM TRADA CERTIFICATION Q MARK 6/808/006: 808/H1

The information below should be read in conjunction with the trailer notes of our relevant Acknowledgement of Order and our Standard Terms & Conditions of Sale. Fire doors supplied are designed to achieve the performance rating indicated. If variation from that recommended below is necessary, then our Technical Department should be consulted.

To achieve the intended fire performance of a given doorset a seal should be introduced between the wall or partition and the door frame. Non-combustible materials or intumescent seals may be used. The inclusion of an intumescent strip at the back of the frames is acceptable. (Refer to relevant section of BS8214.1990).

Intumescent Strip Requirements

- | | |
|--|---|
| <ul style="list-style-type: none">• Single acting or double acting single door leaf | Head: 10mm x 4mm if <2300mm height;
20mm x 4mm if >2300mm of <2800mm;
30mm x 4mm if >2800mm.
Jambs: 10mm x 4mm if <915mm width;
15mm x 4mm if >915mm. |
| <ul style="list-style-type: none">• Single acting or double acting double door leaf
(or hospital type) | Head: 20mm x 4mm if <2800mm height;
30mm x 4mm if >2800mm.
Jambs: 10mm x 4mm.
Meeting edges: 20mm x 4mm. |

Approved intumescent material Palusol or Thermaseal.

Notes

- (a) The inclusion of an approved size overpanel will change any of the above. Any queries please contact our Technical Department.
- (b) For very large assemblies please contact our Technical Department.
- (c) For doors in steel frames please contact our Technical Department.

FD30S

To achieve this, use the equivalent intumescent strip with integral brush or fin. Refer to the intumescent strip manufacturer for confirmation of compliance.

Frames

Door frames should be of a minimum 32 mm section and of a timber density of not less than 500 kg/m³ - hardwood or softwood. Frame depth should not be less than 70 mm. Planted stops are approved and the suggested stop depth is 13 mm.

Hanging Doors & Ironmongery

- (a) Hardware as permitted by the "Code of Practice for Essential Hardware" should be used. (This document is published by the Association of Builders Hardware Manufacturers).
- (b) Concealed overhead door closers should be of a tested and approved type only and supplied and fitted with the necessary intumescent gaskets. We do not offer a warranty for the service performance of the door leaf if fitted with such an item if door leaf thickness is under 50 mm.
- (c) When hanging doors a 2-3 mm gap between door jambs and head should be maintained with a maximum of 10 mm threshold. The threshold gap should be a maximum of 3 mm if fire doors are being installed if no threshold seal is to be used. The jambs and head gap should be increased from 2-3 mm to 3-4 mm when fitting fire doors.
- (d) Hinge quantity and position should be appropriate to the size and mode of action of door leaf. Refer to the ironmongery manufacturer for further details. When hanging/installing Shadmaster.

doors, then standard wood type screws should be used for hinge fixing and application of other load bearing items.

- (e) When hanging doors pay particular attention to the direction arrow at the door head. This points to the pull towards side of the door as viewed from the exposed hinge knuckle and is as per industry standard - see figure 1.1.

FIGURE 1.1



Maintenance

- (a) Doors supplied "in the white" should be primed or sealed immediately (including all edges) and, in any case, prior to hanging. Final finishing should be carried out subsequent to this in a reasonable period of time.
- (b) Polished/lacquered surfaces should be kept clean using a soft cotton cloth dampened with warm soapy water. A chamois leather dampened with clean warm water should be used for a final "wipe over". Under no circumstances should a silicon spray polish be used on any of Shadbolt's lacquer surfaces.
- (c) Our COSHH document is available on application.
- (d) Doors are internal quality only.

Assurance

- (a) Please refer to our Order Acknowledgement for the relevant British Standards to which our doors conform.
- (b) Doors are plugged and labelled as complying with the requirements of the **BM TRADA Certification Ltd Q Mark** Scheme for fire resisting doors and doorsets.

Glazing of doors

FD30 doors should be glazed using 6 mm Pyroshield glass or 6.5 mm Pyran glass embedded in intumescent mastic or paste. If doors are supplied apertured and loose beaded by ourselves, then the relevant bead profile/system will be supplied, unless otherwise specified. If in doubt regarding bead profile, contact our Technical Department.

Approved proprietary glazing systems include: Intumescent Seals Ltd. - Thermaglaze 30, Sealmaster Ltd., - Fireglaze, Lorient Polyproducts Ltd - System 36, Mann McGowan Ltd - Pyroglaze 30. Maximum potential glazed area 1.5m²

Storage

Whilst all doors are solid core in construction, they will be susceptible to damage and distortion if they are not stored or handled correctly and are subject to sudden changes of humidity.

- (a) The storage building should be clean, weathertight and dry.
- (b) Doors must be stacked horizontally on 3 or more equally spaced bearers - spacers should be provided where apertures are concerned.
- (c) Veneered doors and doorsets must not be installed until the building envelope is complete and weathertight, all wet trades' work is complete, and heating/air conditioning has been commissioned and balanced. Conditions of temperature and humidity during storage and installation should be as close as possible to those expected in the occupied building. After installation, panels and doors should not be subjected to sudden or extreme changes in temperature or humidity. Where heating or air conditioning is brought into operation after installation this should be done gradually over as long a period as possible. Temperature and relative humidity should be in the range of 55°F-70°F and 40-60% respectively.



Customer Information to be read on receipt of Shadbolt doors and prior to installation

Shadmaster 60 - FD60 BM TRADA CERTIFICATION Q MARK 6/808/006: 808/H5

The information below should be read in conjunction with the trailer notes of our relevant Acknowledgement of Order and our Standard Terms & Conditions of Sale. Fire doors supplied are designed to achieve the performance rating indicated. If variation from that recommended below is necessary, then our Technical Department should be consulted.

To achieve the intended fire performance of a given doorset a seal should be introduced between the wall or partition and the door frame. Non-combustible materials or intumescent seals may be used. The inclusion of an intumescent strip at the back of the frames is acceptable. (Refer to relevant section of BS8214.1990).

Intumescent Strip Requirements

- Single acting or double acting single door leaf
Head: 20mm x 4mm if <2250mm height;
38mm x 6mm if >2250mm.
Jambs: 20mm x 4mm if <950mm width;
38mm x 6mm if >950mm.

- Single acting or double acting double door leaf
(or hospital type)
Head: 20mm x 4mm if <2200mm height;
38mm x 6mm if >2200mm.
Jambs: 2no. 15mm x 4mm.
Meeting edges: 3no. 10mm x 4mm minimum.

Approved intumescent material Palusol or Thermaseal.

Notes

- (a) The inclusion of an approved size overpanel will change any of the above. Any queries please contact our Technical Department.
- (b) For very large assemblies please contact our Technical Department.
- (c) For doors in steel frames please contact our Technical Department.

FD60S

To achieve this, use the equivalent intumescent strip with integral brush or fin. Refer to the intumescent strip manufacturer for confirmation of compliance.

Frames

Door frames should be of a minimum 32 mm section and of a timber density of not less than 650 kg/m³ - hardwood. Frame depth should not be less than 70 mm. Planted stops are approved and the suggested stop depth is 13 mm.

Hanging Doors & Ironmongery

- (a) Hardware as permitted by the "Code of Practice for Essential Hardware" should be used. (This document is published by the Association of Builders Hardware Manufacturers).
- (b) Concealed overhead door closers should be of a tested and approved type only and supplied and fitted with the necessary intumescent gaskets.
- (c) When hanging doors a 2-3 mm gap between door jambs and head should be maintained with a maximum of 10 mm threshold. The threshold gap should be a maximum of 3 mm if FD60S doors are being installed if no threshold seal is to be used. The jambs and head gap should be increased from 2-3 mm to 3-4 mm when fitting FD60S doors.
- (d) Hinge quantity and position should be appropriate to the size and mode of action of door leaf. Refer to the ironmongery manufacturer for further details. When handing/installing Shadmaster

doors, then standard wood type screws should be used for hinge fixing and application of other load bearing items. (Door leaf dead weight 31 kg per m²).

- (e) Intumescent coverage should be continuous about hinge blades, lock face plate, flush bolts and keep strike plate. A 10mm x 4mm Palusol intumescent strip running along side the detail is sufficient.
- (f) When hanging doors pay particular attention to the direction arrow at the door head. This points to the pull towards side of the door as viewed from the exposed hinge knuckle and is as per industry standard - see figure 1.1.

FIGURE 1.1



Maintenance

- (a) Doors supplied "in the white" should be primed or sealed immediately (including all edges) and, in any case, prior to hanging. Final finishing should be carried out subsequent to this in a reasonable period of time.
- (b) Polished/lacquered surfaces should be kept clean using a soft cotton cloth dampened with warm soapy water. A chamois leather dampened with clean warm water should be used for a final "wipe over". Under no circumstances should a silicon spray polish be used on any of Shadbolt's lacquer surfaces.
- (c) Our COSHH document is available on application.
- (d) Doors are internal quality only.

Assurance

- (a) Please refer to our Order Acknowledgement for the relevant British Standards to which our doors conform.
- (b) Doors are plugged and labelled as complying with the requirements of the **BM TRADA Certification Ltd Q Mark Scheme** for fire resisting doors and doorsets.

Glazing of doors

FD60 doors should be glazed using 6 mm Pyroshield glass or 6.5 mm Pyran glass using an approved system. If doors are supplied apertured and loose beaded by ourselves, then the relevant bead profile/system will be supplied, unless otherwise specified. If in doubt regarding bead profile, contact our Technical Department.

Approved proprietary glazing systems include: Intumescent Seals Ltd. - Thermaglaze 60, Sealmaster Ltd., - Fireglaze, Lorient Polyproducts Ltd - System 90+, Mann McGowan Ltd - Pyroglaze 60. Maximum potential glazed area 0.5m²

Storage

Whilst all doors are solid core in construction, they will be susceptible to damage and distortion if they are not stored or handled correctly and are subject to sudden changes of humidity.

- (a) The storage building should be clean, weathertight and dry.
- (b) Doors must be stacked horizontally on 3 or more equally spaced bearers - spacers should be provided where apertures are concerned.
- (c) Veneered doors and doorsets must not be installed until the building envelope is complete and weathertight, all wet trades' work is complete, and heating/air conditioning has been commissioned and balanced. Conditions of temperature and humidity during storage and installation should be as close as possible to those expected in the occupied building. After installation, panels and doors should not be subjected to sudden or extreme changes in temperature or humidity. Where heating or air conditioning is brought into operation after installation this should be done gradually over as long a period as possible. Temperature and relative humidity should be in the range of 55°F-70°F and 40-60% respectively.