



birmingham
joineryltd

Bespoke Joinery • Door Manufacturer

Operating & Maintenance

Manual



Timber Fire
Door
Manufacture



0012



Birmingham Joinery fire doors and doorsets are tested to BS 476: Part 22: 1987 and are manufactured to meet the requirement of the relevant Global Assessment.

Where products are certified under the BM TRADA Q-Mark scheme or Certifire scheme, they will be identified with coloured plugs or tamper proof labels. To maintain certification, installation must follow our installation guidelines and only approved components should be used. The fire door certification plugs or labels must remain intact and visible at all times.

STORAGE & HANDLING

- Fire doors and frames are heavy; proper lifting and handling precautions should be taken. Doors should be handled by at least 2 people.
- Risk assessments should be carried out before handling or installing door sets.
- Handling timber products may cause splinters; seek medical attention if necessary.
- Fire doors and frames are combustible; store them away from radiant heat or open flame.
- Store doors and doorsets in a dry, protected, and covered area away from extreme temperatures, high humidity, water, or direct sunlight.
- Maintain site conditions between **13-21°C** with **40%-60% relative humidity**.
- Store doors flat on **three equally spaced** bearers to prevent warping.
- Do not stand doors on their edges, as this may lead to distortion or finish damage.
- Ensure the building is complete and weather-tight before installing doors. All wet trades should have been completed.
- Prefinished doors with planed edges must be revarnished promptly to avoid moisture absorption.

INSTALLATION INSTRUCTIONS

- Verify that all ordered components are included and undamaged.
- Confirm that the installation environment is dry, with all wet trades completed.
- Consult **Birmingham Joinery Installation Guidelines** for the appropriate installation method depending on the fire rating before beginning installation.
- If there are any queries or questions, please consult **Birmingham Joinery** before beginning.
- Doors must be installed by a **qualified carpenter/joiner**.
- Ensure the door assembly matches the required fire rating and is installed in an approved structure (e.g., brick, block, masonry, timber, or steel stud partitions).
- The gap between the door and frame at the top and sides should be **2-4mm**.
- The threshold gap should not exceed **8mm** for fire resistance or **3mm** if smoke control is required.
- Any voids between the frame and the wall must be filled with **mineral wool or intumescent mastic**. Consult Installation Instructions for product details and advice on gap sizes.
- Secure the door frame with steel screws at **600mm intervals**, with at least three fixings per jamb.
- All intumescent seals supplied by Birmingham Joinery must be used as specified.
- Only BM TRADA-approved ironmongery should be fitted to maintain certification. Consult Birmingham Joinery for guidance.
- If doors are Silver Plugged, the ironmongery provided by Birmingham Joinery must be used. Substitutions are not acceptable.



MODIFICATIONS

Modifications such as additional apertures, machining, or the removal of factory-fitted ironmongery **will void certification**.

AFTERCARE & MAINTENANCE

Regular maintenance ensures continued fire resistance performance. It is recommended that inspections occur **every six months**, or more frequently in high-traffic areas.

INSPECTION

- **Gaps:** Ensure door-to-frame gaps remain at **3mm** to prevent air leakage.
- **Intumescent Seals:** Check for any damage or missing seals and replace if necessary.
- **Door Closers:** Ensure correct functionality; doors must close fully without obstruction.
- **Ironmongery:** Check that hinges, locks, and other fittings are secure and functioning.
- **Signage:** Fire doors must have proper signage, such as "Fire Door Keep Shut" or "Fire Door Keep Locked".
- **Vision Panels:** Inspect for cracks or damage to glass or glazing bead.

CLEANING & REPAIRS

- General cleaning can be carried out by wiping over the surface with a damp soft cloth and drying with a cloth immediately after. Avoid using abrasive materials or solvents on veneered doors as they may damage the finish.
- Furniture polish designed for use on wooden furniture can be applied to maintain the sheen of a Veneered finished door. Do not use on laminate or Painted doors.
- The use of wire wool and wax to remove scratches is possible on veneered doors, care must be taken not to scratch the door further, this would be best carried

out by a specialist scratch remover or someone with experience.

- Dents and bumps may require a specialist. Contact Birmingham Joinery for details.
- No adhesive tape should be applied to the surface of our doors, it may result in damage to the finish.
- Laminate doors may be cleaned using a mild detergent and water.

BIRMINGHAM JOINERY PRODUCT GUARANTEE

All of our products are guaranteed for **12 months** from the date of delivery. We guarantee to repair or replace any product that develops substantial defects, agreed in writing, due to poor workmanship or faulty materials.

This guarantee **does not cover** damage caused by fair wear & tear or negligence.

END OF LIFE DISPOSAL

To minimize environmental impact, door sets should be dismantled before disposal:

- Separate doors from frames.
- Remove all ironmongery, intumescent strips, and seals.
- Recycle Door, Frame, Ironmongery & Glass where possible. Dispose of Intumescent seals safely.
- Fire-rated vision panels and plastic-coated doors may require specialist disposal.

For further assistance, please contact us.



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