

C W FIELDS & SON LTD FD90 AND FD120 HIGH PERFORMANCE DOOR SETS

STORAGE, INSTALLATION AND AFTERCARE INSTRUCTIONS

THESE POINTS MUST BE STRICTLY FOLLOWED TO ENSURE THAT DOORS AND DOORSETS ARE INSTALLED IN ACCORDANCE WITH FIRE CERTIFICATION REQUIREMENTS.

1 GENERAL

a) Doors and doorsets have been tested to BS 476: Part 22: 1987. They are certified by Chiltern Fire International Ltd to achieve the specified fire resistance providing that they have been manufactured and installed in accordance with the relevant Global Assessment.

b) When door sets have been supplied under the BM-TRADA "Q" Mark Scheme, each door / door set will be identified with one or more coloured plugs and / or labels positioned towards the top of the hanging edge. THIS IDENTIFICATION MUST NOT BE REMOVED OR OBSCURED.

2 STORAGE

a) Fire doors are heavy and care must be taken when lifting and handling. C W Fields & Son Ltd can supply weights of individual doors. It is recommended that risk assessments are carried out before lifting, carrying or installing door sets.

b) Doors / doorsets must be stored in a dry, protected and covered environment so as to minimize the risk of contamination and damage to the products.

c) Doors / doorsets must be stored flat on a minimum of 3 equally spaced bearers of the same size and suitably protected to avoid damage and the ingress of dirt and moisture.

d) Doors / doorsets must be stored in an environment similar to that intended for final use.

e) Doors / doorsets must not be installed until the building is complete and weather tight with all wet trades, plumbing and electrical installation and heating and/or air conditioning commissioned, balanced complete.

f) Site conditions should be in the range 13 to 21 degrees Centigrade with relative humidity in the range 40% to 60%.

g) If doors and frames are to be prime painted on site then this should be done within 24 hours of receipt.

h) Products manufactured from timber- based materials along with the packaging are combustible, therefore the product should be stored away from radiant heat or flame. **IN CASE OF FIRE, USE WATER TO EXTINGUISH.**

i) Decorative veneered doorsets should be protected from light to avoid natural discoloration. Avoid partial protection as this produces "stripping".

J) When handling timber products, splinters may occur. Medical advice should be sought immediately.

k) Disposal of packaging should be through the normal trade re-cycling or refuse collection routes.

l) After handling doorsets, normal hygiene standards should be adopted before food or drink is taken.

3 DELIVERY

3.1 DOOR SETS

a) Fields FD90 and FD120 single door sets are supplied as separate door leaf and assembled frame.

b) Double doors and frames are supplied unassembled for ease of transport and handling. Frame stops are loose fitted. The Intumescent gaskets required for hinge protection are packed with the hinges and must be fitted under the hinges when installing the door set.

b) To maintain the high levels of fire resistance offered by these door sets, all the required Intumescent seals are fitted at the factory on fully finished sets. It is recommended that ironmongery mortises and machining is carried out in the factory. (Please ask for details)

Note: Should it be necessary to machine into the edges or faces of door leaves after supply, please contact C W Fields & Son Ltd. for advice on permitted ironmongery components and required Intumescent seals.

b) Unless otherwise specified, all painted door sets will be supplied "in the white" and prepared for decoration/finish by others. It is recommended that at least the first coat of any intended finishing system be applied before installation. Seals for frames will be supplied loose to allow finishing before fitting.

4 GLAZED OPENINGS IN DOOR LEAVES

ALL GLAZING MUST BE FACTORY PREPARED AND FITTED. NO SITE CUTTING OF OPENINGS OR FITTING OF GLASS IS PERMITTED.

5 ACOUSTIC SEALS

a) Where acoustic ratings have been specified for the door sets, then care should be taken to ensure that seals are undamaged and that gaps between door and frame are not greater than 3mm to 4mm to allow the seal to be effective.

b) Seals with self adhesive backing may be supplied loose if frames are to be painted on site. Care should be taken in fitting these seals.

C) Automatic threshold seals are designed to operate against a hard floor or threshold strip. They should be adjusted in accordance with manufacturers instructions attached.

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6. INSTALLATION

General guidance can be obtained from
“British Standard BS 8214: 1990
Code of practice for Fire door
assemblies with non-metallic leaves”

- a) Only skilled tradesmen should undertake the installation, as correct fitting of fire doors and/or frames is imperative.
- b) The Installer should first check that the door/doorset is the correct one for the opening and that all wet trades have been completed and that the area around the installation is dry and suitable for the installation of joinery.
- c) The door assemblies are approved to be installed in brick, block, masonry, timber or steel stud partitions, which must provide at least 90 minutes or 120 minutes fire resistance as relevant.
- d) Any voids between the lining and wall must be filled with mineral wool or, if less than 6mm, with Intumescent paste or mastic.
- e) Frame fixings to the wall must be on maximum 500mm centers with steel screws penetrating the wall by at least 50mm. There should be a minimum of 4 fixings per jamb preferably staggered across the width of the jamb. Fixing should be through solid packers of equal width to the frame. All voids to be filled as described above
- f) Doors should be hung to give an equal gap across the head and down both jambs. When fitted, the gaps between door and frame at the top and sides and door-to-door gaps must not exceed 4mm for Fd90 and 3mm for FD120.
- g) Door leaves may not be reduced in size by on site working other than the removal of not more than 3mm from any edge for fitting purposes. **Fd120 door sets may not be reduced in length.** Any Intumescent seal must be removed carefully before working and glued back in place afterwards.

8. IRONMONGERY

Hinges, locks, forends and closers should be fitted with Intumescent gaskets. If these are not supplied with the ironmongery, check with the supplier.
C W Fields & Son Ltd can supply details of Intumescent requirements.

For further information or details contained in this leaflet please contact:

C W Fields & Son Limited

Station Road Industrial Estate, Station Road, Epworth, DN9 1JZ

Telephone: (01427) 872368. Facsimile: (01427) 873057

9. AFTER-CARE AND MAINTENANCE.

a) In new buildings, heating should be introduced gradually and over a reasonable period. Initially, prior to “handover”, closure arms should be left unconnected, with the door ajar to aid even airflow. However, door leaves must not be wedged open as this can cause distortion.

b) Due to the importance of fire doors, regular maintenance must be carried out every six months. In recently occupied buildings more frequent checks may be required. Key areas that must be examined and dealt with immediately include: -

Door Leaf and Frame. Check that the door and frame remain square and have not distorted. Ensure that gaps are maintained at an optimum 3mm. Minor facial damage can be repaired, however any major structural defects must not be carried out without consultation with C W Fields & Son Ltd.

Cleaning

Door and frame surfaces can be cleaned by wiping with a damp cloth to remove surface dirt. **Never use solvent cleaners, as these will damage the lacquered surface.**

Vision Panels. If damage occurs to a vision panel or if there is reason to replace it, then this must be carried out in consultation with C W Fields & Son Ltd.

Intumescent, Smoke and Acoustic Seals. Badly fitting or damaged seals must be replaced. Ensure that the seal is of the same type as originally fitted. Where smoke seals are fitted, ensure that these are of a continuous length over each edge to avoid potential leaks in the event of fire.

Door Closers. Check that the mechanism is operating correctly and check that doors are not being wedged open. Ensure hinges and locks/bolts are secure and lubricate if necessary.

Signage. Make sure that all fire doors are fitted with the correct fire signs.

Subsequent property occupiers should keep a copy of this leaflet together with any other relevant information supplied by C W Fields & Son Ltd for future reference.