

FHC



DOORS AND HARDWARE
PROFILE

VISION رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



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YOUR PARTNER IN
CUSTOMIZATION

ABOUT US

Fire & Hazard Control (FHC) is a leading manufacturer of custom designed and integrated solutions, with over two decades of experience in industrial and commercial applications across the MENA region.

FHC has the capabilities to design and produce various sizes and shapes of standard and custom-built sheet-metal products using computerized numerical control machines for high precision, accuracy, and an ultimate finish.

We have been supplying various types of Doors, Gates, and Architectural Ironmongery, manufactured with high end quality, and tested according to international standards and regulations.

We provide our customers with comprehensive services inclusive of the design, manufacturing, and installation of the various types of doors, as well as the selection and supply of the architectural ironmongery according to your project requirement.

With a comprehensive stock range held at our warehouse, we can promptly respond to customer needs and deliver their selection of products in a timely manner.



CERTIFICATION AND ACCREDITATION



DOORS

- Hollow Metal Doors
- Acoustic Doors
- Stainless Steel Doors
- Blast Resistant Doors
- Bullet Proof Doors
- Wooden Doors

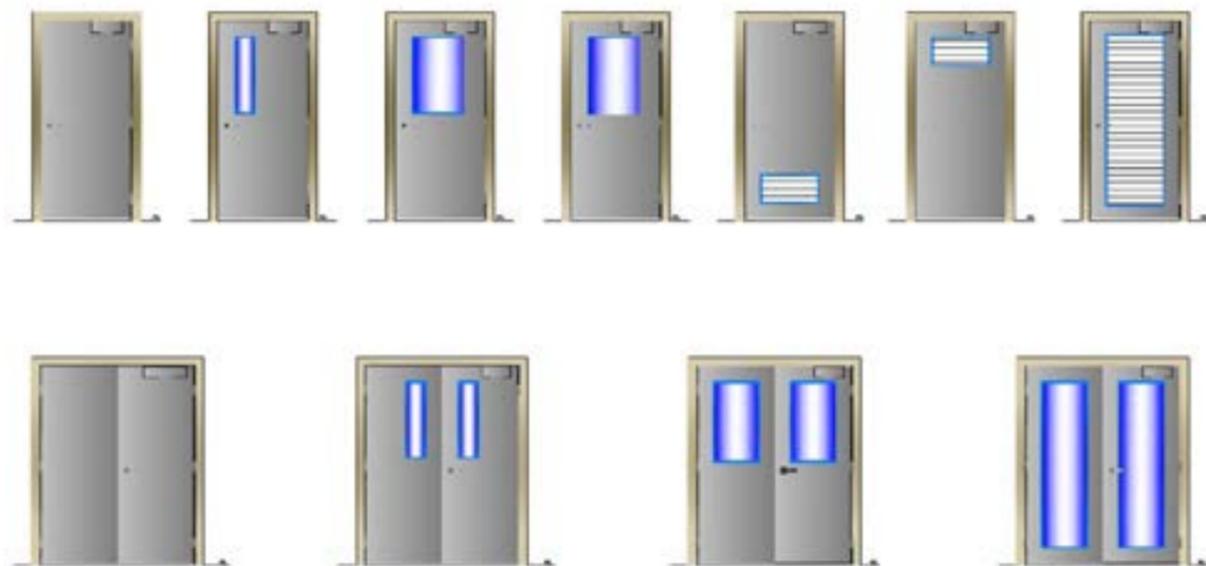


HOLLOW METAL DOORS

Our range covers various types and sizes of steel and lead lined doors, double and single swing, fire rated and manufactured as per highest international standards meeting ANSI, SDI, HMMA and NFPA. All our doors are supplied with robust frames to maximize the protection level. Our frames are constructed of quality cold rolled steel ASTM A1008 or galvanized steel / ASTM A653 for various thicknesses of doors, with the specifications conforming to SDI-111A. In addition, we provide a variety of the highest quality hardware. Each product has been tested with Underwriters Laboratories in accordance with UL10b and UL10c standards.

FEATURES

- Fire Rated for ¾ Hours, 1 ½ Hours and 3 Hours.
- Steel or lead lined (for radiation isolation).
- Customized dimensions.
- Provided with Hardware/ provision, vision panel and/ or louvers.
- Multiple Fire Rated/ Non-rated cores.
- Multiple finishing options: liquid or powder coating.
- Welded, knocked down, architectural entrances, sidelights and borrowed lights matching frames.
- Door hinges, locks, closers, emergency push bars.



PRODUCT TYPE:

SINGLE DOOR

- FR-100 Series - Honeycomb core door
- NFR-100 Series - Honeycomb core door
- FR-200 Series - Stiffened Door with fiberglass insulation
- NFR-200 Series - Stiffened Door with fiberglass insulation
- FR-300 Series - Stiffened Door with Rock wool insulation
- NFR-300 Series - Stiffened Door with Rock wool insulation
- NFR-400 Series - Polyurethane core door

DOUBLE DOOR:

- FR-D-100 Series - Honeycomb core double door
- NFR-D-100 Series - Honeycomb core double door
- FR-D-200 Series - Steel stiffened double door with fiberglass insulation
- NFR-D-200 Series - Steel stiffened double door with fiberglass insulation
- FR-D-300 Series - Steel stiffened double door with Rock wool insulation
- NFR-D-300 Series - Steel stiffened double door with Rock wool insulation
- NFR-D-400 Series - Polyurethane core double door



FHC-FD-100
Honeycomb Core



FHC-FD-200
Steel Stiffened
with Fiberglass



FHC-FD-300
Steel Stiffened
with Rock Wool



FHC-FD-400
Polyurethane Core

ACOUSTIC DOORS (STC)

Fire And Hazard Control Equipment Co. Ltd. (FHC) offer wide range of Acoustic, up to 54 dB. doors of standard models, plus the ability to custom design and manufacture doors to suit specific applications. We deliver solutions to virtually any situation where it is required to contain or exclude noise from a room or building. Being a mandatory requirement for loud environments such as manufacturing facilities and music studios, these doors are also increasingly required for office and business environments. We supply acoustic double doors fire rated as part of our comprehensive service.

FEATURES

- Fully factory assembly and functional testing.
- Self-aligning seals provide durability and high field STC ratings under adverse conditions.
- Hardware compliance.
- Custom built to the highest standards.

FINISHES

- Polyester powder coated
- Epoxy powder coated
- Wood finish
- Stainless steel
- Hard-textured special finish

ACOUSTIC DOOR APPLICATIONS:

- Hospitals
- Auditoriums/Concert Halls
- Control Rooms
- Convention Centers
- Conference Rooms
- Music Practice Areas
- Offices
- Machinery Enclosures
- Radio Studios
- Mechanical Equipment Rooms
- Recording Studios
- Secure Areas
- Stage/Prop Areas
- RF/Acoustic Shielded Facilities
- Test Facilities
- Vibration Test Labs.
- Hotels.



Fire And Hazard Control Equipment Co. Ltd. (FHC) STC doors are available with a wide range of Door type preparations. For Fire rating limitations, please refer to the “FHC Product Range Certification”. Our STC doors are renowned for quality, durability and guarantees in-field performance.

Correct installation of a door is fundamental to its performance; it is strongly recommended that doors are fitted by an accredited installer. Regular inspection and maintenance are also essential to ensure that doors retain their design performance throughout their life.

STAINLESS STEEL DOORS

Stainless steel doors are ideal for commercial, industrial and aesthetic environments. Constructed like standard hollow metal doors but with stainless steel components. They are designed to meet and exceed the harsh environmental conditions including exposure to such as chemicals, water, moisture, etc

Stainless Steel Doors come in various finishes: Satin Finish, Mirror Finish, Mill Finish as well as textured and colored finishes. They are made of stainless alloys including # 304 and # 316.

APPLICATIONS

- Health Care
- Auditoriums/Concert Halls
- Control Rooms
- Convention Centers
- Conference Rooms
- Offices
- Secure Areas
- Test Facilities
- Food preparation areas.



BLAST RESISTANT DOORS

Blast resistant doors protect people and property from explosions and shrapnel. Blast-resistant hardening, or the structural strengthening of buildings, is one measure an owner may employ to minimize the risk to people and equipment from the hazards of accidental or intentional explosions. Many architects are finding it necessary to include blast-resistant products in new and existing construction. These products do not fall under any building code but are required by a number of government agencies such as the Department of Defense, Veterans Affairs, Department of State, and the General Services Administration. They are backed by analysis or 3rd party test data (from an accredited lab) to show their performance level under blast load conditions. We are specialized company for producing pre-engineered Blast Resistant Doors in pressure range (1Psi to 25Psi) using our own design by special designing team which are professional in this field taking in their consideration each project criteria and international standards. Blast resistant doors are designed and manufactured to meet the international requirements of positive blast pressure based on design calculations and certified by independent engineering consultancy offices in accordance with industry standards.

DOORS & WINDOWS MATERIALS:

- Steel Comply with ASTM A36.
- Custom Made Hardware.
- Door Leaf will be solid steel or constructed (Outer, Inner & Stiffener).
- Our certified welders assure the product quality and liability.
- Professional installation team.



Metal products receive a coat of rust inhibitive primer. Zinc-rich and other select primers are available. Finish painting also available.

BULLET PROOF DOORS

Fire And Hazard Control Equipment Co. Ltd. (FHC) Supply high-security bullet proof doors for secure entrances for corporate and private customers. FHC Bullet Proof doors are exceptionally designed to withstand many types of fire arm attacks. The doors look like regular doors, can be installed in an hour and they have a unique locking mechanism. We offer solutions to customers who are looking to integrate bullet proof doors into existing architectures.

FEATURES

- Designed for interior and exterior use.
- FHC Bullet proof doors can be fire rated according to NFPA 252 and acoustical according to ASTM E413 & ASTM F90.
- FHC bullet proof doors can be fitted by different hardware's to comply with project specification.
- Some of reference test levels:
- BR 3-BR 4-BR 6-BR 7-UL 3-UL 4-UL 6-UL 8-NIJ III.



WOODEN DOORS

Fire And Hazard Control Equipment Co. Ltd. (FHC) supplies all types of Fire Rated and Non-Fire Rated Wood Doors Comply to the American and European Standards.

Fire Rated Doors- US Standard:

The wooden doors are US Standard were tested in accordance with U.L.10b, U.L.10c, NFPA 252 and CAN4-S104 in Intertek Testing Services (ITS) testing facilities in Canada under Warnock Hersey International (WHI).

RATING:

- 20min Fire Rated Door
- 45min Fire Rated Door
- 60min Fire Rated Door
- 90min Fire Rated Door

FIRE RATED DOORS- B.S STANDARD:

Fire rated Doors as per B.S 476: Part 22: 1987.

RATING:

- 30min Fire Rated Door
- 45min Fire Rated Door
- 60min Fire Rated Door
- 120min Fire Rated Door

OTHER FEATURES:

- Acoustic (STC) Doors
- Lead-Lined Doors



DOOR FACES AND FINISHES:

Various door faces and color finishes that varies from Natural Veneer, Reconstituted Veneer, High Pressure Laminate (HPL), Melamine or Polyurethane Painted.

DOOR DESIGNS:

We supply decorative doors with applied moulding, raised panels or simply machined groove designs as long as it complies with the fire rated specification for add-on decorative mouldings.

VISION PANEL AND/OR LOUVER:

We are also capable of supplying decorative doors with applied moulding, raised panels or simply machined groove designs as long as it complies with the fire rated specification for add-on decorative mouldings.

DOOR FRAME MATERIAL:

Door frames can be provided in solid wood or steel (Welded or Knockdown) as per the requirement.

CLASSIFICATION:

- Non-Fire Rated and Fire Rated doors
- Single or Double Leaf
- Embossed or Engraved

IN ADDITION TO THE DOORS, WE CAN ALSO PROVIDE THE FOLLOWING:

- Solid Panel, Decorative & Carved Doors.
- Handrail & Balustrades
- Furniture
- Upholstery Furniture
- Hotel Decoration
- Specialized in Mosque & Islamic Design Works
- Customized wood products



Another important area in which we have entered is the field of Installation. We have our own crew of qualified installers for installation of the doors to ensure the functionality and longevity.

We further feel proud to inform you that we can assist our clients in designing, selection, and specifications of materials suitable in accordance with the environmental conditions and complying the required project standards.



HARDWARE

| ANSI STANDARD

- Hinges
- Cylindrical locks
- Mortise locks
 - Levers
 - Hospital locks
- Exit devices
- Closers
- Trim and auxiliary components
- Seals and thresholds
- Access control components

| PARTNERS



ANSI HINGES

ANSI hinges are BHMA/ANSI156 and UL approved and are engraved as such, the following grades are all available.

- Grade 1, Heavy Weight Ball Bearing Hinge for 2,500,000 cycles
- Grade 2, Ball Bearing Hinge for 1,500,000 cycles
- Grade 3, Plain Bearing Hinge for 350,000 cycles

All are manufactured using #304 stainless steel



U.L. Listed spring hinge



Continuous



Ball bearing



Electric



Ball bearing heavy weight



Swing clear ball bearing standard weight

ANSI CYLINDRICAL LOCKS

A more cost-efficient method of securing internal doors to ANSI grade 1, 2 and 3.

- Grade 3 tested to 200,000 cycles; 2 door strikes and a 150-pound weight test.
- Grade 2 door locks tested to 400,000 cycles, 4 door strikes and a 250-pound weight test.
- Grade 1 door locks tested to 800,000 cycles, 6 door strikes and a 360-pound weight test.
- Our GT range factory tested to over 3 million cycles (3 times the ANSI/BHMA Grade 1 standard) and lever torque tested to over 2,100 in-lbs (3 times the ANSI/BHMA Grade 1 standard)



XGT Series Grade 1



GT Series Grade 1



XGT/GT Series Grade 1 Classroom Intruder



GT199A Electrified Cylindrical Lock



GP Series Grade 2



SD Series Grade 2



SF Series Grade 2



SX Series Grade 1

ANSI MORTISE LOCKS

Manufactured in the USA with a lifetime warranty.

Fits a standard ANSI/BHMA A156.115 preparation for Mortise Locks.

UL 10C listed for 3 hrs for single doors up to 4'0" x 8'0".

ESCUTCHEON TRIM



F SERIES



J SERIES



J WIDE SERIES

SECTIONAL TRIM



Round Rose



Optional Square Rose

ANSI LEVERS

A wide range of ANSI levers are available to be used with the mortise, cylindrical and exit device trims. Although 630 Satin stainless is our standard finish, many other finishes are also available. Typically, the return to door (RTD) lever is preferred in the Middle East and we have Philadelphia, Boston, Los Angeles and Dallas to cater for this. All of our levers can be supplied with anti-microbial coatings which helps to reduce virus transmission.

DECORATIVE LEVER COLLECTION



ARCHITECTURAL FINISHES



ANSI HOSPITAL LOCKS

Fully ADA compliant and with the following added features..

“H” – Hip Paddle An oversized hip paddle is added to to allow a person a more “hands-free” approach to opening the door using existing units.)

“AM” – Anti-Microbial Coating Anti-Microbial coating is applied to the covers and handles to help prevent growth of bacteria.

“Q” – Quiet Hospital Latch Aluminum handle extension is Zero decibels gained during push and pull action.

“CN” – Copper + Nickel Handles and covers are provided in copper and nickel alloy providing a natural anti-microbial quality to kill disease causing bacteria.



6000 Series push/pull hospital



6600 Series mortise lock hospital



6400 Series privacy hospital latch pull side thumbturn



6500 Series privacy hospital latch push side thumbturn



6830 Series time out/reverse low profile hospital latch



6840 Series exit only low profile hospital latch

ANSI EXIT DEVICES

Exit devices are a critical part of a building’s fire and life safety egress system. We supply a full line of exit devices, including rim, vertical rod and mortise for both wide and narrow stile doors. These devices provide the best combination of simplicity, strength, durability, aesthetics, and innovation and are perfect for a vast array of applications.



6200 Series rim - wide stile



6202 Series rim - narrow stile



6EW Series heavy duty exit device trim

ANSI CLOSERS

All ANSI door closers are UL228 and UL10C 3-hour fire rated.

Sizing is an important factor of door closers. They are sized from 1-6. The size door closer you require relates to how much force the main spring employs to close the door. It is based on the size and weight of the door. Size 1 is for the lightest doors, size 6 the heaviest.

Closers are available as fixed 2-4 for the budget 3100 model through to fully adjustable 1-6 for the 5100 and 7100 ranges. All ANSI closers have a 25-year warranty.



7100 Series Heavy Duty Grade 1



5500 Series Commercial Grade 1 Shown



5300 Series Commercial Grade 1 Shown with Streamline Cover



5100 Series Featured Grade 2



3100 Series Grade 1 Shown with Streamline Cover



Pivot Stop Arm



SCS Spring Cushion Stop

ANSI TRIM AND AUXILIARY COMPONENTS

We provide a wide range other complimentary products to fulfill all your ANSI door hardware



Pulls, Plates, Push bars, Kick plates



Flush bolts, Surface bolts and coordinators



General Hardware

ANSI SEALS AND THRESHOLDS



ANSI ACCESS CONTROL COMPONENTS

Universal input voltage: 12/24V both AC and DC, out-of-the box

FAIL SECURE/FAIL SAFE is field selectable

MR199A Electrified Storeroom



Trim



Strike



Power supply



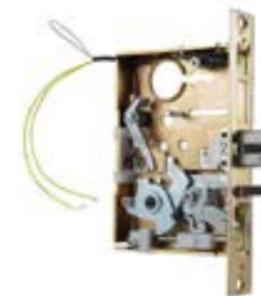
Motorized latch retraction cylindrical



Motorized bolt & latch REX options



Hinge



MR199A

HARDWARE

| EN/BS STANDARD

- Hinges
- Mortice locks
 - Levers
- Closers
- Trim and auxiliary components

| PARTNERS



EN/BS HINGES

GRADES 14,13 and 11 hinges manufactured in 201 and 304 stainless steel to BS EN 1935 are all available. Grade 14 is tested to 1,000,000 cycles. All are approved by Certifire®.



Grade 13 ball bearing hinge



Grade 11 lift-off hinge



Grade 11 lift-off hinge

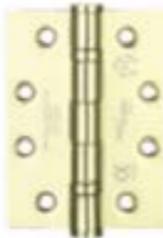


Grade 14 concealed knuckle

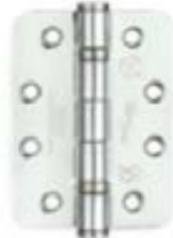


Spring Hinge Plus Slave Pack

AVAILABLE FINISHES FOR LEVERS AND HINGES



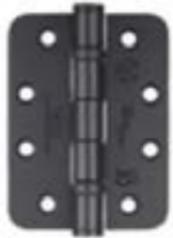
Polished brass



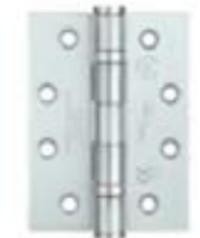
Polished chrome



Antique Brass



Black



Satin nickel

EN/BS MORTICE LOCKS

- British Standard, UK, replacement and contract lock products which have been BS EN 12209, BS 3621: 2007 and BS EN 1634-1 certified.
- Grade 2, CE and FD 30/60 Certifire® tested.
- Back sets from 44.5mm to 127mm are available.



Bathroom Locks



Dead Locks



Escape Locks



Latches



Sash Locks

EN/BS LEVERS

Our extensive range of EN/BS levers and our available in many finishes and styles. The range is available in 201, 304 and 316 stainless steel in both hollow and solid.



Santiago lever on round rose



Savona lever on round rose



Imola lever on round rose



Assisi lever on round rose



19mm Arched lever push on round rose 52mm



Milan lever on round rose



Acerra lever on round rose



Asti lever on round rose



Hydra lever on round rose



Leon lever on round rose



19mm return to door lever- screw on rose



Curly tail lever on square Rose - 2^{1/2}"

EN/BS CLOSERS

- Manufactured to BS EN 1634 and BS EN 1154 : 1996.
- Certifire® tested for Steel door 20-240mins, Timber door 20-120 mins
- 10 year warranty.



Size 2-4 Adjustable Overhead Door Closer



Size 2-4 Door Closer c/w Black Check



Size 2-5 Door Closer c/w Black Check



Size 3 Dixed Power Door Closer



EN/BS TRIM AND AUXILIARY COMPONENTS



Cylinder Latch Pull - Black Profile



Cylinder Latch Pull - Euro Profile



Cylinder Latch Pull - Oval Profile



Cylinder Latch Pull - Round Profile



Half Moon Flush Pull 90mm



Half Moon Flush Pull 90mm



Finger Plate 475 x 75mm



Finger Plate 650 x 75mm



Cylinder Latch Pull - Standard Profile



19mm Aluminium D Pull Handle 225mm



19mm Aluminium D Pull Handle 300mm



19mm D Pull Handle 150mm Centers



Finger Plate push 300 x 75mm



Dust Socket for Flush Bolts



Signage - Fire Door Keep Clear - 76mm dia



Signage - Shower - 76mm dia



Flush Pull 100mm x 50mm



Flush Pull 102mm x 45mm



Flush Ring Pull 48mm x 28mm



Flush Ring Pull 62mm x 44mm



Sex Symbol - Unisex - 76 dia



Glass Ball Cabinet Knob - Plain 25mm



Hooks



Door Viewer with Glass Lens

FHC

We take personal protection seriously.

Our Flame-Resistant Workwear range is made from the world's most high-tech lightweight fabrics developed by TenCate, the world's leading flame-resistant (FR) fabric innovator.

Offering custom-made solutions with a focus on meeting cost target, quality, and delivering on time.

Features:

- Design services from concept through to delivered product ensuring compliance to any relevant safety standards.
- Custom Tecasafe Plus fabric colours can be developed upon request.
- Embroidery Logos can be developed to match your corporate colors.
- FHC has back up fabric held in Tecasafe factories for shortest possible customer delivery times on delivery.
- Tecasafe® Plus production processes are of the highest standard, including UL certification.
- Vented and non-vented options are available in most garments.



OUR MISSION:
QUALITY SOLUTIONS FOR LIFE



Aramco Manufacturing ID# 10006204

FHC

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