METALTEK

where concepts take shape

EXPERTS IN
FIRE RATED GLAZED SYSTEMS

certifire

INTRODUCTION

Metaltek LLC supply the architectural and commercial building industry with innovative solutions for specialized glazing needs. Metaltek is the recognized leader in the fire-rated glass and framing industries, working closely with design professionals, and manufacturers to identify glass and framing solution for the wide-ranging needs of today's commercial and residential buildings.

Metaltek focuses on the delivery of bespoke and technical solutions using our in-house talent and leveraging the expertise on global experts.

SERVICES

Metaltek products are unique, and we provide complete and certified high-performance fire-rated Aluminium, Steel and Stainless-Steel glass façade systems, offering total solutions for complex architectural designs including internal and external fire.

Our systems are designed as cost effective solutions for different applications, backed up by several testing and development programmes. We offer a range of options in the supply of our unique steel, stainless steel and Aluminium glazing systems.

Metaltek and our products are approved by Civil defense agencies in Qatar as well as in various GCC countries.

WE PROVIDE

1. Fire Resistant Systems

★ Steel Glazed Doors & Partitions (E,EW & EI 30-120)

★ Aluminium Glazed Doors & Partitions (EI 30-90)

★ Aluminium Curtain Wall (EI 60)

★ Aluminium Fixed Screens (EI 120)

★ Sky Lights (EI 30-120)

★ Automatic Sliding Doors (EW 30 -120)

★ Smoke Proof Doors

★ Smoke Exhaust Windows

★ Butt joint partitions (EI 60)

★ Frameless Doors EI 30 – 60)

2. Fire Resistant Systems

★ Steel & Stainless Glazed Doors & Curtain Wall (FB 1 – FB 7)

3. Blast Resistant Systems (ER1 – ER 4)

CLASSIFICATIONS

E

INTEGRITY ONLY

Glazing products to block smoke, flames and toxic gas.

EW

INTEGRITY + RADIATION LIMIT

Products to reduce radiant heat transfer (limit 15 KW/sqm at 1m distance)
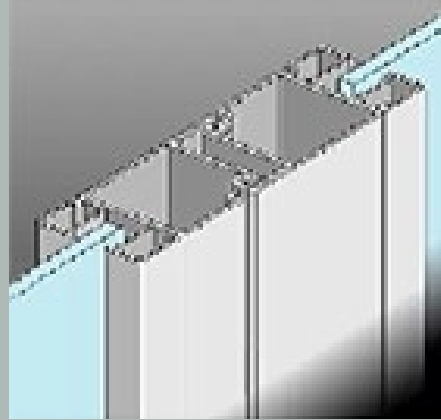

EI

INTEGRITY + INSULATION

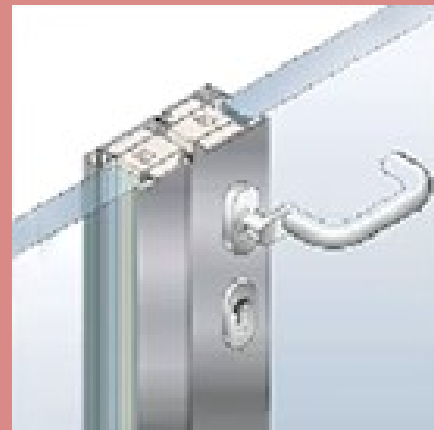Products providing a barrier to radiant and conducted heat transfer($\leq 140^{O}C$)

STEEL FIRE RATED FRAMES

Thermfix Vario


Presto screen

Fuego Doors

Presto Doors

STEEL FIRE RATED FRAMES

Fire resistant steel glazed system

★ Excellent fire protection performance

★ 30, 60, 90 & 120 minutes E, EW- EI

★ Minimized smoke and heat transfer

★ All products match non-fire-resistant glazing.

★ High thermal value to stop heat radiation.

★ Rebated sections with high quality gaskets to stop sand penetration

★ Water and airtight to high European standards

★ Extruded in Europe

★ Fast delivery and installation

★ Free design and quotations

★ Wide range of paint finished

★ Glass Thickness 6 - 60mm

★ Manufactured in Qatar
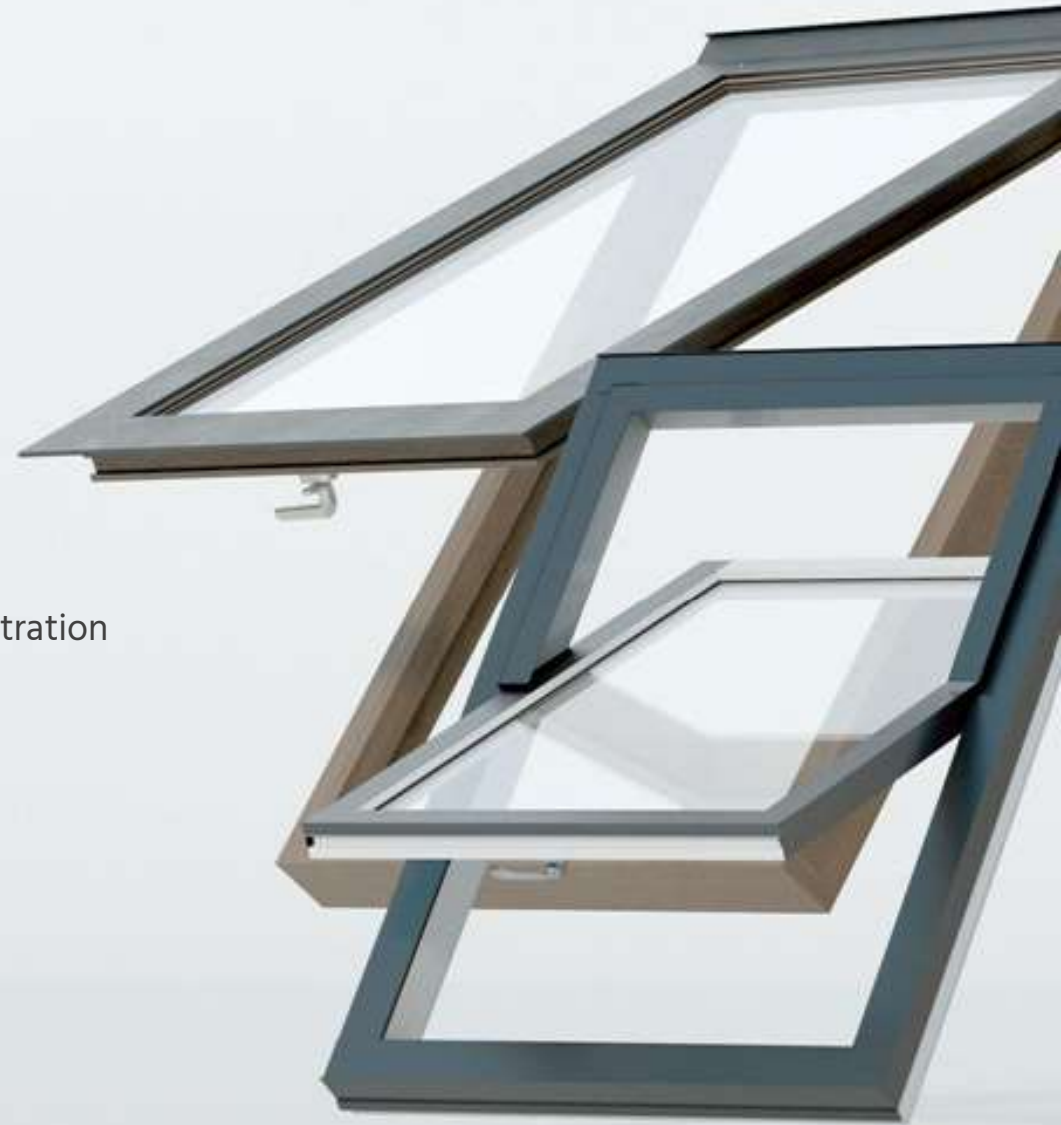
ALUMINIUM FIRE RATED SYSTEM

Fire rated doors and wall partitions
MB-78EI - Fire resistance to EW, EI 30- 90

The MB78-EI systems has been developed for producing internal and external fire rated partition walls, with single or double-leaf doors featured by a fire resistance class of EI 15, EI 45, EI 60 or EI 90.

Numerous tests and calculations have shown that MB-78EI-based products have a very good thermal and acoustic insulation. Due to its characteristics, optimised technology & production costs, the compatibility with ALUPROF window and door systems and constant technical development, it is very popular product widely used by construction professionals.

The maximum limitations of system would permit a fixed wall up to 4m height, and hinged doors of a maximum leaf size 1.4 m X 2.5 m. Structures and door sets of this type, both single and double leaf door arrangement, have been successfully tested in a netified laboratory, obtaining fire resistance classes of EW,EI 30 -90

AUTOMATIC FIRE RATED SLIDING DOORS

MB-78EI DPA
Fire resistance to EI 30-60

The MB – 78 EI DPA system is intended to make fire rated partitions with automatic, single and double leaf sliding doors. Their fire resistance class of EI 15 & EI 30,EI 60 is kept when they are exposed to fire both inside and outside.

The MB – 78 EI DPA sliding door's drive can be installed on walls / system walls. Mechanisms that are intended to be used in this system allow a smooth and trouble free operation of the door with a 200kg leaf.
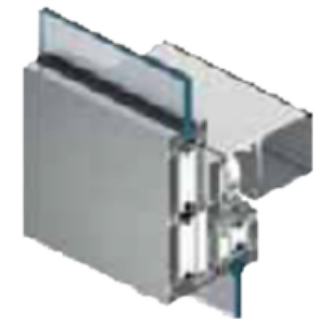
FIRE RATED WALL PARTITIONS OF EI 120

MB-118EI
Fire resistance to EI 120

The MB-118 EI fire rated walls are used to make fire partitions with fire resistance class of EI 120. The system is classified as non-fire spreading (NRO). It's design construction is such that, it provides a technical connection with the MB-78 EI door, which means a number of common components (such as glazing beads, cooling inserts, expanding tapes, seals and most accessories) and also similar to basic system, production and installation technology.

The structure that are made of it remain fire resistant in EI 120 class, both exposed to fire from outside and inside.

An important feature affecting the functionality of the division of these partitions is the possibility to install the MB-78 EI doors.

CURTAIN WALL FIRE RATED SYSTEMS

MB-SR50 EI and MB-SR50N EI
Fire resistance to EI 30-60

The MB-SR50 EI and MB-SR50N EI curtain wall fire rated systems
have been developed to provide a light weight curtain and fire
resistant wall, of classes EI 15, EI 30, EI 45, EI 60 classes. The system
is classified as non-time spreading (NRO)

It is also possible to install the MB-78EI fire doors while
maintaining the fire resistance of whole structure in classes EI
30 or EI 60.

BULLET RESISTANT SYSTEM

Technical Details	
Material options	steel, stainless steel
Dimensions	door leaf up to 1400 × 3000 mm
	fixed glazing up to 3000 × 3000 mm
Performance specifications*	bullet-resistance FB4 –FB7NS
	Uf > 1.3 W/(m²·K)Unico System
	Uf > 1.1 W/(m²·K)Unico System HI
System properties	CE-marking according to EN 14351-1
	barrier-free
	insulated thresholds
	leaf weight up to 300 kg
	Filling elements up to 58 mm

BLAST RESISTANT SYSTEM

Technical Details	
Material options	steel, stainless steel
Dimensions	door leaf up to 1400 × 3000 mm
	fixed glazing up to 3000 × 3000 mm
Performance specifications*	blast-resistance EPR1 – EPR4
	$U_f > 1.3$ W/(m²·K) Unico System
	$U_f > 1.1$ W/(m²·K) Thermfix Vario
System properties	CE-marking according to EN 14351-1
	barrier-free
	insulated thresholds
	leaf weight up to 300 kg
	Filling elements up to 58 mm

REFERENCE PROJECTS

NEW YORK UNIVERSITY, ABU DHABI, U.A.E

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NEW YORK UNIVERSITY, ABU DHABI, U.A.E

REFERENCE PROJECTS

MAFRAQ HOSPITAL, ABU DHABI, U.A.E

REFERENCE PROJECTS

MUSCAT AIRPORT, OMAN
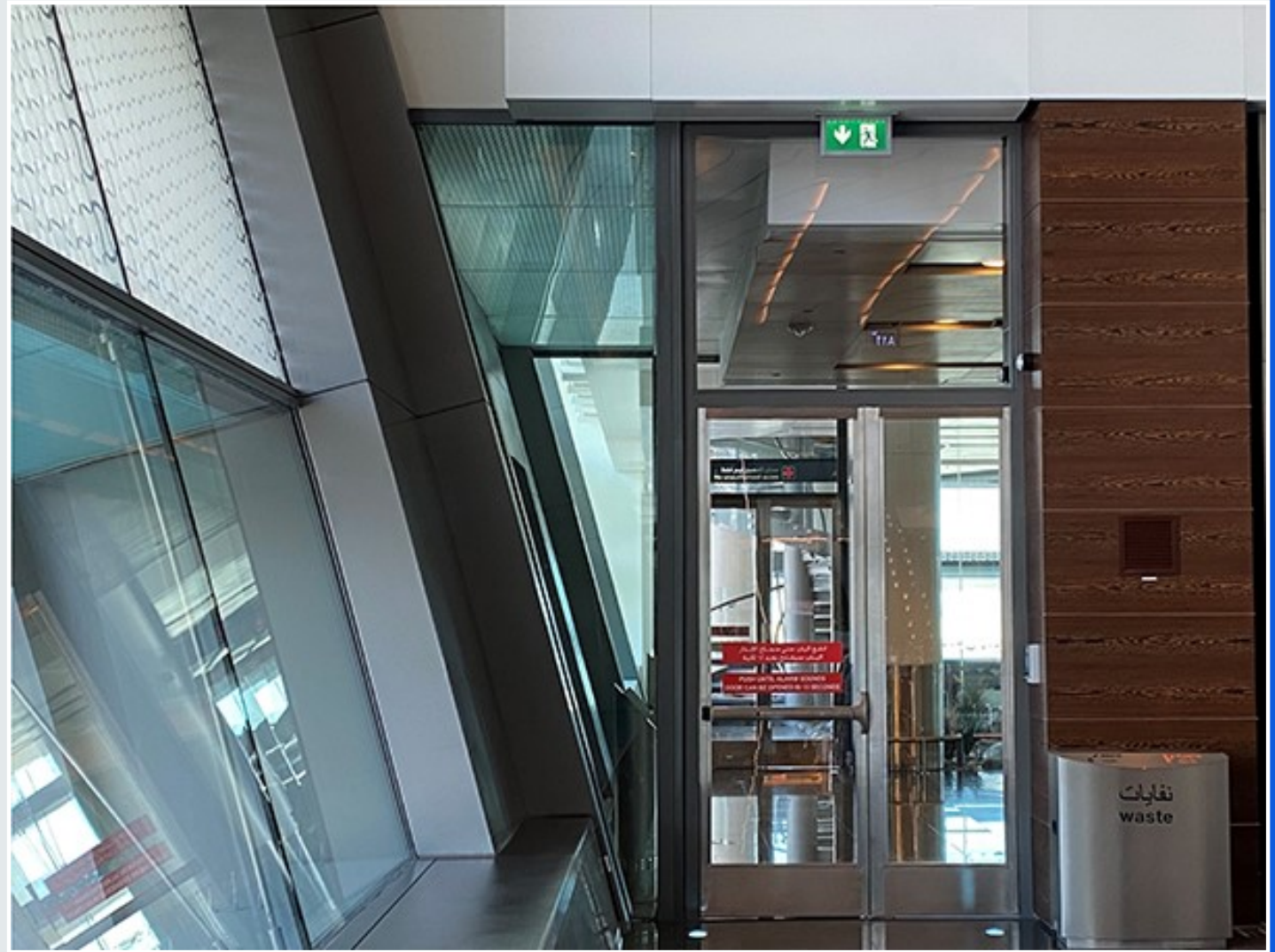
REFERENCE PROJECTS

**PEPSI CO, BUTT JOINT
FR WINDOWS
UAE**

REFERENCE PROJECTS

AEROTEL TRANSIT HOTEL MUSCAT

REFERENCE PROJECTS

**PERTOLEUM INSTITUTE
ABU DHABI, UAE**

ISO CERTIFICATE

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM CERTIFICATE

This is to Certify that the Occupational Health & Safety Management System of

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ADDRESS: PO BOX: 40129, DOHA, QATAR

The company has been assessed by Qacs International and found to comply with

ISO 45001:2018

For the

SUPPLY AND INSTALLATION OF ARCHITECTURAL GLASS AND METAL WORKS

This certification was conducted in accordance with the qacs international auditing and Certification procedures and it is remain valid subject to annual surveillance audits.

Certificate No:- QAIS-OH-QAT-MT-06.19.022

Certificate Issue Date: 30th August 2019
Date of Initial Registration: 30th August 2019
Certificate Validity: 3 Years

1st Surveillance Date: 29th August 2020
2nd Surveillance Date: 29th August 2021
Expiry Date: 29th August 2022

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

To Check the certificate validity please Refer Web:- (www.qacsworld.com)

On behalf of QACS

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Management Systems
Certification Body

This certificate is subject to the company maintaining its system to the required standards, which will be monitored by QACS
The use of this Certificate and the QACS Certification Mark are subject to the Regulations Applicable to Holders of QACS Certificates

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QUALITY MANAGEMENT SYSTEM CERTIFICATE

This is to Certify that the Quality Management System of

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ADDRESS: PO BOX: 40129, DOHA, QATAR

The company has been assessed by Qacs International and found to comply with

ISO 9001:2015

For the

SUPPLY AND INSTALLATION OF ARCHITECTURAL GLASS AND METAL WORKS

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Certificate No:- QAIS-Q-QAT-MT-06.19.038

Certificate Issue Date: 30th August 2019
Date of Initial Registration: 30th August 2019
Certificate Validity: 3 Years

1st Surveillance Date: 29th August 2020
2nd Surveillance Date: 29th August 2021
Expiry Date: 29th August 2022

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

To Check the certificate validity please Refer Web:- (www.qacsworld.com)

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Management Systems
Certification Body

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RECOGNITION ARRANGEMENT

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ISO
CERTIFICATE

ENVIRONMENTAL MANAGEMENT SYSTEM
CERTIFICATE

This is to Certify that the Environmental Management System Of

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METALTEK

ADDRESS: PO BOX: 40129, DOHA, QATAR

The company has been assessed by Qacs International and found to comply with

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For the

SUPPLY AND INSTALLATION OF ARCHITECTURAL GLASS AND METAL WORKS

This certification was conducted in accordance with the qacs international auditing and Certification procedures and it is remain valid subject to annual surveillance audits.

Certificate No:- QAIS-E-QAT-MT-06.19.017

Certificate Issue Date: 30th August 2019	**1st Surveillance Date: 29th August 2020**
Date of Initial Registration: 30th August 2019	**2nd Surveillance Date: 29th August 2021**
Certificate Validity: 3 Years	**Expiry Date: 29th August 2022**

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

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QATAR
CIVIL DEFENSE

BAHRAIN CIVIL DEFENSE

Thank You!

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