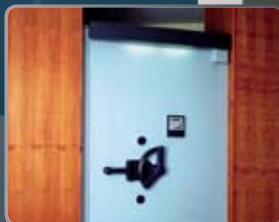


# OPTEMA

Burglary Protection Solution

VAULT DOORS & PANELS



# OPTEMA

## Burglary Protection Solution

Since the tools and methods used to forcibly gain entry to bank vaults have become more and more sophisticated, bank security has had to evolve. Thanks to many years of experience providing successful security solutions to the banking sector, Fichet-Bauche has developed a range of vaults and doors which is designed to resist the most modern forms of attack.

### Did you know?

Optema doors can be fitted with an alarm which detects the kind of thermal and seismic fluctuations caused by an attempted break-in.

### Product Overview

Optema is a range of vault doors and panels which can be used to construct a modular vault in your existing building.

The panels and doors exist in a range of thicknesses in order to provide different levels of security.

Vault Door	Vault Room Wall Thickness
Optema 100	at least 200mm
Optema 180/180S	at least 300mm
Optema 280/280S	at least 500mm

Each Optema vault door is designed for particular thickness of vault wall

### Burglary Protection

All Optema doors and panels are built using high-performance materials, developed by Fichet-Bauche laboratories, to ensure that they will withstand thermal and mechanical attack tools.

To offer extra protection, the 180S and 280S have been constructed using Gadium, a barrier material which meets the requirements set by the most stringent of European standards. With this unique, high-performance composite, Optema 180S and 280S vault doors provide effective protection against methods of attack, such as thermal lances and high-powered mechanical cutting tools.

### Vault Doors

The Optema range of vault doors has been ergonomically designed for ease of use. This means that the locks are easily accessible, the handle requires minimum effort to operate and the door opens smoothly once unlocked. They can also be easily connected to an on-site alarm system or remote surveillance station.

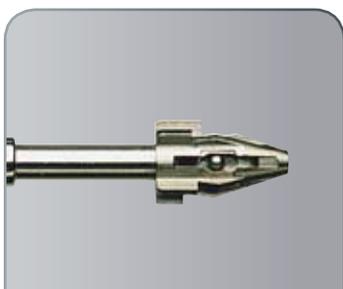
For additional protection, Optema 180/180S and 280/280S have been built with maximum homogeneity. This is achieved by ensuring that the entire rear locking bar is completely blocked off and by shielding the join between the frame and wall with reinforced, armoured plating.

For secure locking, all the doors have solid steel side-bolts – three on the 100 and five on the 180/180S and 280/280S. The 280/280S also have an additional five bolts on the hinge side of the door.

### Vault Panels

Optema vault panels are built to the same standards as the doors. The panels are available in several types – wall, floor and ceiling – and can be fitted together to construct a secure and custom-built vault.

The panels can be built into an existing room to maximise use of the available space.



M3B key



Moneo S



Ev'Hora

## Locks

In order to suit different security requirements, Optema vault doors are designed to be fitted with a variety of locking systems. Thanks to Fichet-Bauche's patented mechanical and electronic locks, many of which are A2P/EN 1300 certified, your valuables are given the protection they require.

The M3B is a high-security mechanical lock. Its innovative shape and design, which allows for over 10 million different possible keys, make replication extremely difficult.

The Moneo S mechanical combination lock – level C/E – permits several million different codes. Its scramble-upon-opening feature ensures that the dials are automatically reset to 0 after being used.

The Ev'Hora 1000 and 8200 electronic locks – level B/E – are designed to be used as part of your security network. Ev'Hora locks are capable of exchanging and sharing information with one another and with your system, enabling you to rapidly modify security procedures.

### SINGLE LOCK

M3B, Moneo S,  
Ev'Hora 8200

### LOCK COMBINATIONS

100, 180 & 180S

M3B + Moneo S

M3B + M3B

280 & 280S

M3B + M3B + Moneo S

M3B + M3B + M3B

M3B + Ev'Hora 1000

## Emergency Doors

All vaults can be fitted with an emergency door which is built and tested to the same standard as the Optema range – just as strong and just as reliable.

Optema emergency doors are available as a stand-alone product, or ready to be inserted in a wall, or in an Optema door.

For Optema 100 and 180S versions, the emergency door is fitted with two M3B key locks, with the option of a Moneo S combination lock as a third lock. The 280S version is fitted with three locks – two M3B key locks and a Moneo S combination lock.

The emergency door can also be fitted with an optional thermal and seismic detection alarm.

## Optional Features

- Opening, thermal and seismic detection alarm
- Interior light switch
- Grille gate (painted or stainless steel)
- Stainless steel back plate
- Stainless steel door sill

## Fichet-Bauche Guarantee

Fichet-Bauche products are designed and manufactured in accordance with the ISO 9001 standard for Quality Management Systems, ISO 18001 for Occupational Health and Safety Management Systems and ISO 14000 for Environmental Management Systems. All Optema vault door components are tested by the Fichet-Bauche laboratory in compliance with the current European standards.



# OPTEMA

## Technical Specifications

### Vault Doors

Dimensions (mm)	Optema 100	Emergency Door 100	Optema 180	Optema 180S	Emergency Door 180S	Optema 280	Optema 280S	Emergency Door 280S
Thickness of defensive structure	100	100	180	180	180	280	280	280
Overall height	2157	810	2157	2157	810	2157	2157	810
Overall width	1200	770	1220	1220	810	1360	1360	1040
Clearance height	2030	600	2030	2030	600	2030	2030	600
Clearance width	895	500	895	895	500	912	912	500
Approx. weight (kg)	785	225	1165	1200	315	2010	2050	525

### Vault Panels

Dimensions	180	Extension	180S	Extension
Panel				
Thickness (mm)	150	150	150	150
Weight (kg/m <sup>2</sup> )	380	380	380	380
Basic Module (mm)				
External height	2500	2500	2500	2500

Optema vault rooms can be made to order. Your contact at Fichet-Bauche will help define the room's dimensions to meet with your requirements.



Emergency door

