



# High Performance Acoustic Doors

**HUET**  
PORTES & FENÊTRES

**Varilux**

# Huet High Performance Doors

Huet is one of Europe's largest producers of high performance fire rated and acoustic rated timber doorsets. Whether you are a Specifier, Architect, Engineer or Acoustician, if you require high performance timber doorsets then we can meet the highest specifications required for your project.

## ACOUSTIC AND FIRE RATED TESTED BY THIRD PARTY EUROPEAN LABORATORIES

Huet has carried out numerous fire tests based on the EN 1634 standard with steel or wood frames in one and double leaf timber doors. Huet doors are fire rated and acoustic rated. Each door has an independent acoustic test report issued by third party accredited laboratories.

## FIRE DOOR IDENTIFICATION

Huet fire doors are identified by evident label showing fire certificate numbers and Huet details on both frame and leaf. In compliance with EN 1634/SANS 1253 requirements, each door has been tested as a complete assembly unit in order to guarantee fire and acoustic integrity, stability and insulation, with components such as ironmongery, vision panels, fire and acoustic seals.

## LOGICALLY GREEN

Environmental responsibility and sustainable development have been Huet's goals since the company began over 65 years ago. This has been formally recognised by our internal HQE (High Quality Environments) policy.



# Steel Frames Manufactured in South Africa

Huet steel frames are also produced in South Africa to ensure a quick delivery and adaptation to any wall configurations. Huet Steel Door Frames can be manufactured to various wall depths. Huet galvanised steel door frames are manufactured with 4 x 130 x 86mm

factory fitted lift off hinges and punch outs for the striking plate where the door frame is three sided, supplied with a bracing support on the threshold of the two door jambs to keep the geometrical integrity of the frames and prevention of warping.

## Benefits of the Huet steel frames

- Quick delivery
- Unique frame profile in 1.6mm galvanized steel for FD 30 and FD 60 fire doors.
- Reinforcement for surface mounted door closer.
- Adjustable male hinges that screw onto the frame socket.
- 4 lift off hinges per frame and anti intrusion hinges for anti breaking door (Axiome 39).
- Standard 1, 3 or 5 point point locks.
- Possibility of 10mm for longer legs.
- 1 or 2 spacer bars depending on the wall depth.





# Huet acoustic

## Timber Doorsets

### ACOUSTIC RATED DOORSET PERFORMANCE

- **High performance acoustic doorsets: 32 - 55 Rw dB rated**

Thanks to its expertise in acoustics developed over 65 years, Huet can supply a high performance range of doorsets with some of the thinnest door leafs available. With a choice of acoustic doorset rated from 32 Rw dB to 55 Rw dB, Huet has a product to match any requirement.

### ACOUSTIC RATED & FIRE RATED DOORSET SOLUTIONS

All Huet fire rated doorsets are tested and certified to EN 1634-1, BS 476 and SANS 1253 standards by independent, accredited bodies such as Warrington Fire Research in the UK and TOPAZ fire engineering in South Africa.

We understand the importance of achieving and guaranteeing the continuous performance of our products in-situ. A stable door leaf is paramount to maintaining the correct and even pressure between the door leaf and lip seal. Years of research and development have proved that the inclusion of metal sheets and other high performance materials in our door leafs ensure maximum stability and minimum distortion.

Our products satisfy the requirements of Building Regulations and meet the needs of projects including hotels, health, education, auditoriums and studios.

### BESPOKE FINISHED DOORSET SOLUTIONS

All our acoustic rated doorsets can be specified to the highest quality finish in whichever style you prefer – traditional, modern, luxurious, minimalist, formal, decadent or fun. Hinges are pre-fitted and cutouts made to suit your choice of handles and locks.



# Huet fire rated Timber Doorsets

## **FD30 & FD60 FIRE RATED TIMBER DOORSETS BS 476, EN 1634 STANDARDS AND SANS 1253 STANDARDS**

Huet fire rated FD30 and FD60 (Class E and A) doorsets are fully compliant with European Standard EN 1634 with BS 476. Our fire rated doorsets are available with timber door leafs and either timber or metal frames.

For public buildings, we offer a range of single and double leaf (pair) FD30 and FD60 doorsets. Tested to British and European standards they can be offered with rebated or square meeting stiles, giving you a choice of single acting or swinging doors ideal for corridors and areas of frequent public use.

They are available in a choice of finishes including primed for painting, veneer and laminate. Surfaces can be engraved with a selection of patterns, numbers, letters, logos and bespoke designs.

Vision panels are available in a variety of sizes and shapes including square, rectangular, circular and diamond.

Our door leafs have substantial hardwood stiles on all four edges.

## **FD30 / FD60 DOUBLE ACTING (SWINGING) PIVOT DOORSETS**

Huets engineers have created some of the most highly configurable fire rated swinging doorsets available in Europe today. They are offered with a choice innovative of features:

Holding mechanism linked directly to the fire detection system.  
Locking mechanism. Our swinging doors are not just designed to be kept open, they can easily be configured to remain closed using a choice of access controls.

Revised door closer mechanism. Huet engineers have developed a closer mechanism pivot that is placed in the upper crosspiece, offering not only a greater level of hygiene control but also aiding installation and improving robustness in situ.

Huet's new FD30 and FD60 swinging doorsets are of course still available with a choice of fully tested vision panels and finishes including laminates, veneers, tinting, engraving, lacquered RAL paints, or simply primed.

**Studios  
& Auditoria**

**Education**

**Health  
& Medical**

**Residential**

**Hotel  
& Leisure**





# Hotel & Leisure



## A Proven Track Record in the Hotel & Leisure Industry

We're proud to be major hotel group's preferred supplier of acoustic and fire rated doorsets. Whether you need fire and/or sound proof doors we have a range of competitively priced products which will match your specification.

### A Doorset for Every Use

Guest rooms, board rooms, function rooms, meeting rooms- single or double doors – with various finish options: real wood veneers, laminated, lacquered or primed- custom or standard laser engraving – frame wrapped with wood veneer. Whatever you need we have a product to suit. We even supply encapsulated, environmentally stabilised doorsets for use in kitchens, leisure centres and health spas.

### Seeing is Believing

Interior design is so important to modern hotel development. We believe we are unique amongst European manufacturers of acoustic and fire rated doorsets by providing a handmade lifesize mockup of your actual door during the approval process. You can inspect a sample doorset, manufactured and finished to your exact specifications. You'll see exactly what will be delivered to site, making it so much easier to spot any necessary changes before we start production.

### Be Well Connected

The SAS 52 interconnecting doorset is especially designed for interconnecting guest rooms, offering flexibility and privacy as required. The SAS 52 is designed to be installed back-to-back, one door for each guest room. When both are closed you'll benefit from an industry leading 55 Rw dB.

### Size is Important

Our doorsets are some of the thinnest available for their acoustic ratings thanks to our unique multicore doorleaf design. Thicknesses range from 40mm to 48mm according to your required acoustic/fire rating and configuration.

### Fire Rated and Acoustic Doorsets

Our acoustic doorsets (from Rw 32dB to Rw 55dB) have been tested and certified to EN 1634-1 and BS 476 standards for either 30 or 60 minutes fire resistance.



# Residential



## Apartment Entrance Doorsets

Architecturally-inspired entrance doors help to set the style and feel of an apartment. We know how important it is to offer safety and high acoustic performance without sacrificing looks. Fully compliant with South Africa Standards, our high spec PAS 24 residential doorsets are 30 minutes fire rated (Class E) and combine certified safety with a wide range of styles and finishes.

### Advanced Security

Huet provides you with confidence in the security of your home. The AXIOME 39 offers a high level of protection with the choice of 3 or 5 lock points, a reinforced door sheet and anti-breaking hinges available. With EN British certification as standard, you can be confident of enhanced security performance with this high quality doorset.

### Sustainability

At Huet we place great importance on environmental responsibility and sustainable development. Illustrating our commitment to this, our beech and softwood frames are FSC certified and our fire rated and acoustic door sets hold PEFC certification. This demonstration of responsible sourcing of FSC and PEFC timber contributes to qualification for LEED and BREEAM certification for green building schemes.

### Bespoke Doors: Choose from a Range of Sizes

Our high performance doors are available in a wide range of sizes to convey the exact look and feel you would like to convey. Once again, Huet is the only door manufacturer to offers an anti-breaking doorset (Pass 24) with a free passage of 2490mm x 900 mm.

### Acoustic Performance

Ensuring that outside noise in corridors and hallways will not disturb your home, our sophisticated acoustic doorsets provide sound proofing that you can rely on. Huet offers an exceptional acoustic performance of Rw 39 dB for an apartment entrance doorsets.



# Health & Medical



## Innovative Doorsets for the Health and Medical Industry

Our culture of innovation is illustrated perfectly by our products for use in healthcare and medical environments. Of course we propose products with class-leading acoustic rating and certified fire rating. But our options and details make the difference.

### Fire Resistance

Our fire rated doorsets and our acoustic range can be specified with choice of finishes including Acrovyn and stainless steel kick/push plates.

With a choice of 30 and 60 minute fire rating - and available on single & double doors / swinging or single acting doors - we're sure we have the range of products to suit your project.

We also propose various access control options fully compliant with our fire rated certificates.

Through visible or concealed electromagnetic devices connected to fire alarm, our doors can be held in open position. In the event of a fire, doors will assume closed position

### Hygienic Finishes

All our fire rated doorsets can be specified with a laminated finish for quick and easy cleaning and an anti-bacterial coating that's inherently resistant to germ and disease transmission. Anti-bacterial finishes for our acoustic rated & fire rated doorsets are available.

Our Stainless steel glazing includes a flush sealing bead system and resists the most aggressive cleaning products. It is perfect for situations where hygiene is a priority

### Confidentiality

Our acoustic rated doorsets are often specified for doctors surgeries and health centres. Soundproofing ensures the doctor's confidential consultation remains just that. Our higher rated products are used successfully in specialist areas such as birthing suites.



# Education



## CLUB Acoustic Rated Doors for Schools, Colleges and Universities – But Better

We're often asked if we can supply a 35 Rw dB rated doorset for schools, colleges and universities. Put simply, yes we can but we'll give you something extra.

### An Economy of Scale

Thanks to years of refinement, our most popular acoustic rated doorset: CLUB 39 has a 41 Rw dB rating. With manufacturing levels of 15,000 doors per week, it is simply economies of scale. Furthermore, through our ability to propose softwood frames & competitively priced vision panels, we are able to deliver to your project a performance fulfilling requirements at a price level lower than most of our competitors.

### High Performance Acoustic Rated Doorset for Specialised Uses

Where high performance acoustic levels are required, we offer the ideal solution. For specific areas such as music rooms, individual study rooms, recording studios, and media centres there is an impressive choice of 42 - 48 Rw dB rated doorsets.

### Safety & Performance

At Huet we take safety seriously, all our fire rated doorsets are tested to European standards. For corridors we can offer FD30 or FD60 doorsets, in either single or double leaf (pairs). They can be manufactured for single acting or swinging (pivot) actions. Mounted on a pivot, they give the robust performance required to suit the frequent use in a typical school corridor. When considering the safety and wellbeing of students, our new CLUB acoustic doorsets range can be offered as a single or double leaf doorset. We can also propose an FD60 rating doorset combined with an excellent 35 Rw dB acoustic performance if required.

### Choice of Finish

Take our CLUB acoustic-rated doorset, it may be competitively priced but you'll still benefit from our full range of finishing options including real wood veneer, lacquered laminated or primed leafs; large vision panels selection; and custom or standard engraving.



# Studios & Auditoria



## High Acoustic Performance meets Innovative Design

Few companies can supply acoustic-rated doorsets with performance to satisfy the requirements of recording studios, television studios, auditoria and journalist booths in stadia. Most competing products make you sacrifice design and finishing options - not so with a Huet door.

### Huet: High Acoustic Performance Doorsets

Our acoustic-rated doorsets are made to several performance levels up to an industry leading 55 Rw dB. That's enough to satisfy most soundproofing requirements especially for studios, auditorium & music schools projects.

Our acoustic doorsets (from Rw 32dB to Rw 55dB) have been tested and certified to EN 1634-1 and BS 476 standards for either 30 or 60 minutes fire resistance.

### Proven Track-record

Many high profile organisations have chosen Huet acoustic rated doorsets for their most demanding projects.

We supplied all sound proof doors for many press centers and high acoustic requirement projects worldwide.

### Design Choices

Over many years we have perfected a multi-layer acoustic core which means our doors have better performance and a huge choice of finishes:

- real wood veneers
- wide choice of laminates
- choice of shaped glazed vision panel
- custom engraving
- lacquering

# Logically Green

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Put simply, throughout the entire lifecycle of one of our office buildings or manufacturing plants or doorsets we minimise its impact on interior and exterior environments.



## Low Emissions

Chimneys at our factories have been fitted with smoke filtration systems since the 1980s. Regular testing ensures our current filtration systems are performing as well as the first day they were installed. Our policy of regular review and assessment ensures we are up to date with the latest technology and that it is incorporated into our current systems as soon as possible.



## Energy Balancing

In partnership with our corporate energy supplier we run a sophisticated energy management system. This helps us spread our energy usage as evenly as possible over the whole day. Thanks to this system we've managed to reduce our overall energy consumption and we help our energy suppliers balance their own production and supply.



## Rigorous Selection of Wood Supplies

For some years now the supplied wood, selected for its resistance, density, stability, and performance (which have been proven in tests undertaken for fire safety, acoustics, thermal properties, and properties when positioned between two atmospheres of differing characteristics) has had to meet certain criteria concerning the

top of the supply chain.

The ability to trace the wood, from forest exploitation to delivery of the finished products, is now one of the most important ways of helping to preserve forests.

Wood is a renewable natural resource which must be managed sustainably, to protect it and also to protect our environment.



## Environmental responsibility and sustainable development have been Huet goals since the company began over 65 years ago.

This has been formally recognised by our internal HQE (High Quality Environments) policy.



### Bio-sourced

Door panels which are “bio-sourced” or which use material from recycling channels. The technical door panels are produced from panels made of flax shives, a material of 100% plant origin, produced in Belgium and France. The cavity door leaves are also made from honeycomb cardboard produced directly from recycling supply channels.



### Innovate to Save

Latest generation high-performance energy-efficient heating systems are installed in all our new production facilities and many of our existing buildings. This investment saves us — and the planet — several thousands of tons of fuel every year.



### Monitored and Retreated Water Consumption

The panel bonding and adhesive application installations required large amounts of water for rinsing. Water consumption is monitored and checked each year, and the water re-treatment and recycling process is improved.

Electrocoagulation systems currently enable water to be retreated to eliminate them in waste water under the DRIRE (Regional Authority for Industry, Research and the Environment) control, or to recycle them in the rinsing systems.



Our beech and Softwood frames have FSC® certification.

Our fire rated and acoustic doorsets have PEFC certification.





# Acoustic Doorsets

## CLUB / CHORUS

		Number of leaves	Acoustic rating (Rw dB)	Wood Frame	Metal Frame	Smoke seals	Fire Rating	Stability	Leaf thickness (mm)	Max leaf height (mm)	Max leaf width (mm)
CLUB	CLUB 30	1	32	•	•	•	EI30/FD30		40	2250	1230
		2	32	•	•	•	EI30/FD30		40	2250	930 + 930
	CLUB 36	1	37	•	•	•	EI30/FD30		40	2250	1230
		2	37	•	•	•	EI30/FD30		40	2500	930 + 930
	CLUB 39	1	41	•	•	•	EI30/FD30		40	2250	1230
		2	39	•	•	•	EI30/FD30		40	2250	930 + 930
	CLUB 39 Interconnecting	2	55	•		•	EI30/FD30		40*2	2250	1230

CHORUS	CHORUS 42	1	42	•	•	•	EI30/FD30	3c	40	2500	1230
		2	42	•	•	•	EI30/FD30	3c	40	2250	930 + 930
	CHORUS 46	1	46	•		•	EI30/FD30	3c	51	2500	1060
		2	46	•		•	EI30/FD30	3c	51	2500	1180 + 1180
	CHORUS 49	1	48	•		•	EI30/FD30	3c	84	2500	1180
		2	48	•		•	EI30/FD30	3c	84	2500	1180 + 1180

ALTO	EUROFLAM EI60 35	1	35	•	•	•	EI60/FD60		51	2250	1230
		2	35	•	•	•	EI60/FD60		51	2250	1030 + 1030
	ISADX 3960	1	39	•		•	EI60/FD60	3c	64	2285	930
		2	39	•		•	EI60/FD60	3c	64	2300	948 + 948
	ISADX 4260	1	42	•		•	EI60/FD60	3c	64	2285	930

## APARTMENT ENTRANCE COVERED

		Number of leaves	Acoustic rating (Rw dB)	Wood Frame	Metal Frame	Smoke seals	Fire Rating	Stability	Leaf thickness (mm)	Max leaf height (mm)	Max leaf width (mm)
	AXIOME 39 PAS 24	1	39	•	•	•	EI30/FD30	3c	40	2500	1030

## APARTMENT / HOTEL EXTERNAL EXPOSED

		Number of leaves	Acoustic rating (Rw dB)	Wood Frame	Metal Frame	Smoke seals	Fire Rating	Stability	Leaf thickness (mm)	Max leaf height (mm)	Max leaf width (mm)
	ADX CLIMAT	1	41	•		•	EI30	3c	51	2040	930



# Fire Rated Doorsets

## EUROFLAM

		Number of leaves	Wood Frame	Metal Frame	Smoke seals	Fire Rating	Leaf thickness (mm)	Max leaf height (mm)	Max leaf width (mm)
SINGLE ACTING	EUROFLAM EI30	1	•	•	•	EI30/FD30	40	2100	1230
		2	•	•	•	EI30/FD30	40	2100	930 + 930
	EUROFLAM EI30 XXL	1	•	•	•	EI30/FD30	50	2500	1230
		2	•	•	•	EI30/FD30	50	2500	1030 + 1030
	EUROFLAM EI60	1	•	•	•	EI60/FD60	51	2250	1230
		2	•	•	•	EI60/FD60	51	2250	1030 + 1030
DOUBLE ACTING	SWINGING EI30	1	•	•		EI30/FD30	50	2250	1030
		2	•	•		EI30/FD30	50	2250	1030 + 1030
	SWINGING EI60	1	•	•		EI60/FD60	51	2500	1100
		2	•	•		EI60/FD60	51	2500	1100 + 1100



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