

# Safety of your new Automated Garage Door

A consumer leaflet produced by **dhf**



# Automated Garage Doors

When a new garage door is supplied, it must comply with these two pieces of criminal legislation:

## MACHINERY DIRECTIVE 2006/42/EC

## CONSTRUCTION PRODUCTS REGULATION 305/2011/EU

These two pieces of legislation make it a requirement for the door to undergo strict compliance testing to ensure it will be safe for users, which means that the door cannot squash, trap, collapse or otherwise injure a person or damage property.

Methods by which impact safety could be provided:

### 1. Hold to run

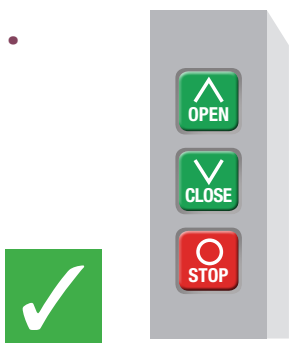
“HOLD to run” means that the safety of the door is provided by the user, who must keep constant pressure on an up or down control for the door to move. The door will stop when the control is released. The control **MUST** be fixed in a position that ensures that it can only be used in sight of the door.

### 2. Pressure Sensitivity

[force limitation]

This is where the garage door retracts if it comes into contact [impacts] with an obstacle, this is achieved in one of two ways:

1.



Hold to run control

2.



Safety edge

3.



Light curtain

Single beam

## Obstacle Detection

Obstacle detection means that the drive unit or other movement sensors can physically sense when the door encounters an obstruction and cause the door to retract.

## Safety Edge

Provision of a “safety edge” means that there will be a rubber contact strip along the bottom of the door that will switch at the very lightest touch and cause the door to retract to prevent injury.

Not all rubber strips are safe edges, some are simply a weather seal. Please check with your installer that your door will stop and reverse on contact with an obstacle.

### 3. Light Curtaining

Light curtaining is a high specification technology that will prevent all possible contact with potentially harmful movement of the door by creating a complete light screen across the opening.

Light curtains should not be confused with a single photo beam.

**BEWARE** of unsafe and illegally supplied safety systems [E.G. A single photo beam]. A single photo beam is an enhancement device intended to complement the pressure sensitivity options in higher risk situations. A single photo beam used alone is never an adequate safety measure.

## Documentation

When your door is installed you should receive two important documents with it that provide evidence that it has been subject to the legally required certification and safety compliance testing, this certification is your assurance that the product you are receiving is both safe and being supplied within UK criminal law.

### DECLARATION OF CONFORMITY [MACHINERY DIRECTIVE 2006/42/EC]

### DECLARATION OF PERFORMANCE [CONSTRUCTION PRODUCTS REGULATION 305/2011/EU]

Industrial Estate  
Anytown  
ANI 3TN  
Tel: 01999 998 877  
Email: sales@imperial.co.uk  
Website: www.imperial.co.uk

**Imperial Door Company**

**Declaration of Conformity**

Description & unique identification number: Retractable garage door XYZ-005

The company above declares under its own authority that the door above is fully compliant with:

- 2006/42/EC

This company is a member of the Door & Hardware Federation (DHF)

- 2014/20/EU – Electro-Magnetic Compatibility Directive (EMC)
- 2014/53/EC – Radio Equipment Directive (RED)

Place and date of declaration:  
Imperial Door Company

Name & signature of the responsible person: *Jain Somebody*

42 Heath Street, Tamworth, Staffordshire B79 7JH  
Telephone: 01827 52337 info@dhfonline.org.uk www.dhfonline.org.uk

Example Declaration of Conformity

Industrial Estate  
Anytown  
ANI 3TN  
Tel: 01999 998 877  
Email: sales@imperial.co.uk  
Website: www.imperial.co.uk

**Imperial Door Company**

**Declaration of Performance Regulation (EU) 305/2011**

1. Unique identification code of the product type: Retractable domestic garage door XYZ-005
2. Intended use: Giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial or residential premises
3. Systems of AVCP: Systems 3 and 4
4. Harmonised standard: EN 12241-1:2003 + A1:2011
5. Notified bodies: PDQ Labs 9913 tested dangerous substances, resistance to wind and safe opening
6. Declared performance

Essential Characteristic	Declared Performance	AVCP System	Harmonised Standard
Water tightness	NPD	3	
Dangerous substances	NONE	3	
Resistance to wind load	CLASS 3	3	
Thermal resistance	NPD	3	
Air permeability	NPD	3	
Safe opening	PASS	3	
Definition of geometry of glass components	PASS	4	EN 12241-1:2003 + A1:2011
Mechanical resistance and stability	PASS	4	
Operating forces	NPD	3	
Durability of water tightness, thermal resistance and air permeability against degradation	NPD	3	

The performance of the product identified above is in conformity with the declared performance(s). This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: I A M Somebody (Products Director)  
At: Anytown ANI 3TN On: 10 June 2014 Signature: *Jain Somebody*

This company is a member of the Door & Hardware Federation  
42 Heath Street, Tamworth, Staffordshire B79 7JH  
Telephone: 01827 52337 info@dhfonline.org.uk www.dhfonline.org.uk

Example Declaration of Performance

## CE Marking Label

Your new door must display a CE mark label that shows the performance criteria of your door. It will also show the name of the 'Approved Test Laboratory' (along with its four-figured reference number) that completed the testing.

Industrial Estate  
Anytown  
ANI 3TN  
Tel: 01999 998 877  
Email: sales@imperial.co.uk  
Website: www.imperial.co.uk

**Imperial Door Manufacturing Company**

Year: 2014

Product type: Retractable domestic garage doors

Unique identification number: XYZ-005

Essential Characteristics	Declared Performance	Harmonised Standard
Dangerous substances	NONE	
Resistance to wind load	CLASS 3	
Safe opening	PASS	
Definition of geometry of glass components	PASS	EN 12241-1:2003 + A1:2011
Mechanical resistance and stability	PASS	

Tested by: PDQ Labs 9913

Intended use: Giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial or residential premises

This company is a member of the Door & Hardware Federation  
42 Heath Street, Tamworth, Staffordshire B79 7JH  
Tel: 01827 52337 info@dhfonline.org.uk www.dhfonline.org.uk

Reference number circled in red

## User Manual

You should also receive a user manual and details of the warranty and any maintenance requirements needed to keep your door functioning in a safe and reliable condition.

## About dhf

dhf is a not-for-profit trade association for companies allied with Locks & Building Hardware; Doorsets; Industrial Doors & Shutters; Domestic Garage Doors and Automated Gates

Since 1897 dhf has amassed 400 members and is the 'go to' place for technical advice and training which lends itself to raising the standards of the industry. Regarded as the 'Centre of Excellence', with a network of professional consultants in all sectors, it is the single source for technical expertise, information, knowledge, advice, and practical help.

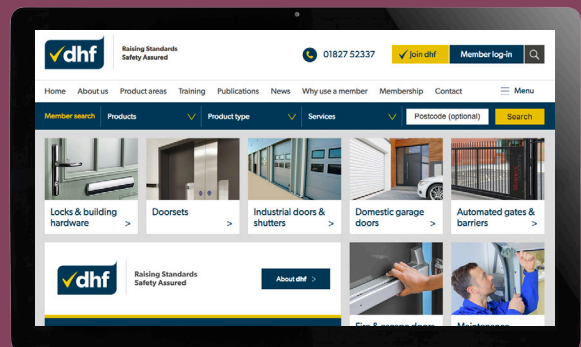
dhf provides highly regarded product safety and compliance training courses for the door and gate industries across the UK and Ireland, which are mandatory for companies operating in those sectors of business.

The federation supports its various industry sectors by representing them on BSI standards committees, liaising with compliance authorities such as the Health and Safety Executive, Trading Standards and many other security and fire safety organisations across the UK and Europe.

All dhf members adhere to a Code of Conduct, so customers can feel assured they have purchased from a reputable company.

The dhf web site provides a wealth of information for members, architects, specifiers and consumers alike.

[www.dhfonline.org.uk](http://www.dhfonline.org.uk)





## Contact us for more information

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Telephone: (0)1827 52337

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