

Operation and Safety Manual supplied by Paramount 26 LTD ParaTherm95



95mm Insulated Roller Shutter

Issued January 2025

Designated standard applied: EN 12453:2017+A1:2021

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Subject to change without notice

Operation and Safety Manual for Single Skin roller shutters supplied by Paramount 26 LTD

Important information,

This document should be read alongside the UK Construction Products Regulations Declaration of Performance, which follows BS EN 13241:2003 + A2:2016, and the UK Supply of Machinery (Safety) Regulations Declaration of Conformity, based on BS EN 12453:2017+A1:2021.

Under these regulations, all industrial doors must meet the Essential Health and Safety Requirements outlined in the Supply of Machinery (Safety) Regulations, taking account of BS EN 12453:2017+A1:2021. Additionally, the performance of their Essential Characteristics must be assessed in compliance with the Construction Products Regulations using BS EN 13241:2003+A2:2016. These requirements apply equally to products with and without fire and smoke resistance.

Your door should be maintained in accordance with this manual to meet your obligations under regulation 5 the UK Workplace (Health, Safety, and Welfare) Regulations 1992 and sections 2 and 3 of the Health and Safety at Work Act 1974.

If you need further advice or assistance regarding this door or any of our other products, please feel free to contact us at any time.

Attention!

Paramount 26 Ltd does not assume or accept responsibility for any accidents, injury or damage, which may occur due to user or installer negligence or failure to comply with these instructions.

All alterations to the fabric or design of the door should only be carried out after consultation with the manufacturer

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1 General

This manual describes the operation of your new Paramount 26 Door, For some applications /versions it may be necessary to consult additional manuals, ie control panel /motor manuals.

1.1 General Safety

- a. This Paramount 26 door has been designed to be compliant to the latest UKCA Standards. On completion of install check to confirm the UKCA mark has been affixed/completed.
- b. Adding or removing parts may have an adverse effect on the operation and or safety of your new door.
- c. Unless otherwise stated all dimensions are in millimetres.
- d. Due to our policy of continued development and improvement we reserve the right to modify specifications without written notice.

1.2 Symbols and/or Warning signs



Symbol for General DANGER
Symbol for ATTENTION



**Symbol for CUTTING, SNAGGING, CRUSHING,
PINCHING DANGER from moving parts!**

Hazards



Description

1. Maintenance
2. Electric Drive
3. Guide Track
4. Control Panel
5. Rubber Bottom Seal
6. Manual Override
7. Door Curtain (Lath)
8. Top of Door

Danger / Hazards

- Ensure shutter is serviced in accordance with manufactures recommendation (at least once a year) Document in writing, this will increase dependant on Environment and use of door.
- Refer to manufactures instructions for correct and safe operation of electric drive and other components.
- Danger of pinching, catching, drawing in etc., Never lean in or touch guides when door is in operation.
- Always ensure the person operating the control panel has an unobstructed view of the moving door and surrounds, if unable to provide this then relevant safety devices must be used.
- Never operate the door while persons are stood under the moving door leaf.
- Never operate the manual operation device while the shutter is moving, use of the manual operation should only be carried out by competent persons.
- Large and heavy part of a door, potential to do harm so care must be used at all times when in operation.
- Potential of entrapment between curtain and barrel if door is perforated or letter-box punched, use of safety devices both sides of curtain at the head to be wired to the stop circuit to prevent entrapment.

1.3 End user responsibilities

- Follow instructions in this manual
- This Paramount 26 Industrial roller shutter should only be operated by suitable persons. Never let children operate and play with it.
- Essentially, no people, animals or other objects should be in the vicinity of the opening while the Roller Shutter is in operation.
- When operating the Roller Shutter, it should always be in sight. (unless the door is equipped with suitable monitored safety devices).
- Never lean against the door curtain and/or guide track, take care that fingers do not get caught in moving door curtain and/or other moving parts.
- In case of failure, always consult a qualified company.
- Do not make any alterations to the Paramount 26 Roller Shutter without prior written permission.
- Don't add or remove weight increasing or decreasing parts to the Paramount 26 Roller Shutter.
- Never stand on the bottom rail or other parts.
- Never climb up using the door leaf.
- Never use the Paramount 26 Roller Shutter as a hoist.
- Never interfere with a moving Paramount 26 Roller Shutter or moving parts.
- If the electric drive no longer functions, the Paramount 26 Roller Shutter should always be operated manually. (if the motor is equipped with this facility).
- Ensure that your Paramount 26 Roller Shutter is fully functioning, and have the safety features checked regularly (when first installed and at your own discretion, but at least once a year) by a qualified firm, and ask for written confirmation/record.
- At least once a month, visually inspect your Paramount 26 Roller Shutter for damage.

1.4 Warranty and liability

- Alterations to the Paramount 26 Roller Shutter or alterations to the drive that are not in compliance with this manual will invalidate the warranty and thus release the manufacturers from any liability. This also includes damage resulting from incorrect operation, failure to follow the instructions in this manual and/or poor maintenance and/or care of the Paramount 26 Roller Shutter.

1.5 Warranty and Quality Guarantee

Paramount26 Ltd, guarantee the design, materials and workmanship for a period of 12 months from the date of practical completion of the Sub-Contract works, subject to the clauses mentioned below: -

- Should any defect in the works become evident within this period we undertake to repair or replace the defective part. At the end of the 12 months period all further liability on components and workmanship will cease.
- This Warranty / Guarantee shall not be deemed to cover repairs or replacement or adjustments which may be required as a result of wilful or accidental damage or misuse or improper lubrication or neglect or any other cause beyond our control.
- Our liability shall be limited to making good any defect and we cannot accept responsibility beyond such replacement.
- Charges will not be accepted for any repairs made without the knowledge and sanction of the Company.
- Any fitness for purpose liability is dependant upon the Company receiving full knowledge of the intended use and a written performance specification.
- The product contains moving components and it is vital that they are properly serviced on a regular basis in accordance with our maintenance recommendations

2 Application

- The Paramount 26 Roller Shutter is designed for closing off an entrance/exit to a building. Using the Paramount 26 Roller Shutter for any other purpose is not permitted.

3 Operation

3.1 Manual operation

Tensioning or adjustment of the barrel should only be carried out by competent and qualified fitters. On completion of the install the shutter should move in a controlled manner without sudden tendency to either fall or rise in an uncontrolled manner.

Shutters designed without a safety brake **should not** be used to cover a door way and are only designed for use over a window or special applications such as conveyor systems where the likelihood of a single component failure is unlikely to cause injury to the user. If there is doubt even in these applications then the use of a safety brake or other device to prevent sudden closure of the door in the event of single component failure should be installed in accordance with the current regulations in place.

Use of the manual hand chain operation system is to be carried out in a controlled manner. Sudden snatching of the hand chain can result in damage to the chain and drive components. Uncontrolled motion of the shutter with the hand chain being left uncontrolled while in moving can result in injury to the operator when the chain snakes. Any damage to the door from the above misuse or injury to the operator will invalidate the warranty and Paramount 26 will not accept any liability for costs or injury caused.

3.2 Operation via electric motor (Direct Drive)

The direct drive motor design is recommended as being the safest option especially for doors that have high or higher than normal usage. This motor design includes an internal safety brake within the motor drive which prevents the door from falling in an uncontrolled manner.

Use of the manual operation is **prohibited while the motor is in use** and will cause serious damage to the operator.

Operation and wiring of this motor will necessitate reference to the operator manuals for the motor and control panel which can be provided separately,

3.3 Operation via electric motor (Chain Drive)

The Chain driven motor utilized on the Paramount 26 shutter must always be used in conjunction with an inertia brake device which should always be wired into the stop or safety circuit of the controls to prevent any damage in the event the brake engages.

Frequent inspection of the drive chain should be undertaken with the chain being cleaned and lubricated at regular intervals (not less than once per year) but increasing in frequency dependant on the use and conditions operation, dusty and damp conditions can lead to premature failure.

Use of the manual operation is **prohibited while the motor is in use** and will cause serious damage to the operator. Operation and wiring of this motor will necessitate reference to the operator manuals for the motor and control panel which can be provided separately.

3.4 Electric operation (Tube motor)

The Tube motor utilized on the Paramount 26 shutter must always be used in conjunction with an inertia brake device which should always be wired into the stop or safety circuit of the controls to prevent any damage in the event the brake engages.

Use of the manual operation is **Prohibited while the motor is in use** and will cause serious damage to the operator. Manual operation of this motor can vary and advice should be sought for instruction of the specific type used on your door.

Heavy usage (more than 2 x per hour) will significantly reduce the life of this motor and invalidate the warranty, this motor type is designed for low usage doors with space restrictions due to its very small size.

Various control options exist for this motor type and installation and commission of these should be in conjunction with the relevant instructions.

3.5 Basic Control panel (3ph motor)

This section currently under construction instructions for the specific control panel provided with you door can be provided on request.

This Basic controller is not designed for use with photocells or safety edges, while its possible to connect these the operation will not be as expected nor will it comply to the UKCA Standards

3.6 Upgraded Control panel (3ph motor)

This control panel should be used for all doors that are required to close via automatic or unmanned operation.

Connection of safety devices should always be in accordance to the specific control panel provide instructions. Use of the controller in automatic operation without the safety devices connected can lead to injury of the operator/user, and will not be in accordance with relevant required safety standards. Use of the door without the correct safety devices that do not comply to the relevant European standards or do not suit the site conditions as assessed by the installing companies site risk assessment, will invalidate the warranty of the door and paramount 26 will not be held responsible for any liability or costs incurred.

Specific wiring and operating instructions for the advanced control panel will be provided on request.

3.7 Inertia brake

All doors that have the potential to cause harm as set out in the relevant standards from a single component failure must include an approved safety device.

On all doors, apart from the direct drive motor, that are not used over a window or used for a specific purpose that the user can provide a local risk assessment for will be provided with a TUV certified safety brake.

A Disclaimer for all doors not provided with this brake will be required and will be held on file.

Connection of the inertia brake to the safety circuit or stop circuit of the door in all circumstances is required to protect the motor and drive components of the door and potential serious failure.

3.8 Extra safety devices

On some doors, extra safety devices may be required, for example on a door that has the potential for carrying a person (ie letterbox or brick bond grill).

These doors would require a top mounted safety device to both sides of the door to stop the door motion in the event of the beam being broken. The type of device used would be subject to a local site risk assessment for suitability.

Stop switches mounted on the door leaf, in the event of the door being provided with a wicket (or pass door) then use of a low voltage cut out switch is required,

Also to prevent damage to the motor and door use of interlock stop switches would be required on such devices as Ground locks and Guide locks,

4 Emergency manual operation

Due to the varied options of manual operation available reference to the motor/operator manual is always advised.

Basic rules that must always be followed:

- Never operate or engage the manual operation when the door is in use or in motion.
- Manual operation is intended for emergency use only, as extended use may cause further damage to the motor
- Operation of the manual operation must only be carried out by a trained or competent person who is familiar with the system being used.
- If the manual operation is mounted at high level, a full risk assessment must be carried out by competent persons, before any attempt to gain access to high level to prevent injury from falling.

5 Automatic closing and use with remote opening devices

All doors that can close without maintained pressure to the controls and that have controls not in clear line of site of the door must incorporate approved safety devices suitable for the site conditions and local risk assessment.

All doors that have the function to be operated remotely via either access control or remote controls must incorporate approved safety devices suitable for the site conditions and local risk assessment.

The use and function including regular testing of these devices must be carried out in accordance with the instructions given in the manual for the specific devices used.

6 Maintenance

For your new door to offer a long life and to remain in a safe and reliable operation it will need regular servicing, maintenance and checks

6.1 General

If maintenance is not carried out, if it is neglected or done by an unqualified firm, then Paramount 26 can not be held responsible for the consequences of this or any failure resulting from this,
The Paramount 26 door should be inspected by a qualified door installer at least once per year and potentially more often if the environment the door is fitted in is harsh or the door is subject to heavy usage, this should be documented in writing.

6.2 Care

Below are a number of minor maintenance measures that need to be taken.

Galvanized Lath

Laths manufactured from galvanized steel section are designed for external applications and require little or no maintenance under normal operating conditions. Any general build-up of dust or grime should be removed with a damp cloth using a proprietary soap and water mixture

Plastisol Lath

Laths manufactured from HP 200 Plastisol coated steel sections require little maintenance under normal conditions. Any general build-up of dust or grime should be treated as above,

Guide Channels

The Bottom of the guide channels should be kept clear of debris build up on a daily basis. Build up may cause the door to jam and not close properly. Simple brushing or scraping away of debris will suffice
winding gear, motor Units & barrel assemblies, winding gear, motor units (electric doors) & barrel assemblies are generally under cover at high level and do not require regular cleaning between planned maintenance visits. However if there is a heavy build-up of dirt then consideration of increasing maintenance visit frequency must be taken

6.3 Cleaning

Heavy industrial cleaners such as trichloroethylene, paint thinners, formaldehyde petrol, diesel, sodium bicarbonate or "Gunk" should not be used. Nor should sand or shot blasting techniques, no oxidizing agents. White spirit may be used to remove graffiti to the shutter door etc, but should be thoroughly washed and rinsed using a proprietary soap and water mixture afterwards.

7 Service and safety

7.1 Service

It is essential that the door operation remains functioning in accordance with the operating instructions. To ensure this happens a documented maintenance regime shall be established and maintained by the employer in accordance with Regulation 5 of the Workplace (Health, Safety & Welfare) Regulations 1992. Failure to do so may result in prosecution in the event of an accident

7.2 Service frequency

Note – Failure to keep the door regularly maintained could invalidate the warranty.
The following recommendations are for maintenance and repairs to ensure that the door remains in full working order throughout its service life. To ensure safe and reliable operation regular inspection and maintenance is essential. The frequency is dependent on the use.

Door cycles per day	Recommended maintenance period
Up to 15	6 Months
Up to 30	4 Months
Up to 45	3 Months
Over 45	2 Months

Prompt service and repairs will avoid unnecessary stress on components which could lead to premature wear or failure.

Warning – Activities which interfere with any part of the door which is under tension must not be undertaken by untrained personnel. Interference with these components can be dangerous and should only be undertaken by trained personnel as part of regular maintenance.

7.3 Maintenance by the user

On a daily basis the user should ensure that:

There is no damage to any parts of the door.

Excessive force is not required to operate the door.

Any damage to the door or excessive force needed to operate the door is reported and action taken as necessary to put the door in good working order.

The door operation continues to comply with the safety requirements.

Operational checks are carried out to the safety devices to ensure correct function.

7.4 Maintenance by specialist engineer

The service and maintenance in accordance with the recommended service frequency as above, should be carried out by a specialist service engineer.

Checks should be in line with section 6 of this document.

Checks should include but not be limited to

- Drive chain, (clean, inspect and lubricate) if any faults found replace.
- Barrel assembly (clean, inspect and lubricate end bearings where applicable).
- Guide channels (clean, inspect and lubricate) any distortion, wear or damage should be corrected.
- Motor (clean and Inspect).
- Manual operation, (engage and test function for ease of use and interlock switch function).
- Safety devices (clean and test for correct function).
- Fixings (check for condition and corrosion).
- Lath (check for condition of end locks including tightness and any damage).

7.5 Safety

The following safety instruction should be adhered to at all times,

Failure to do so may result in an accident or injury

- Keep openings clear at all times.
- Keep area free from debris etc that could fall under the door while in operation.

Do not operate a damaged door, or one which is difficult to operate. In the event that the door is found to be damaged or difficult to operate, lock the door, remove the key, leave a warning notice on the door and ensure that the door is inspected by a qualified person,

Do not lean ladders against the door, the guides or the casing.

Stand well clear of the opening whilst the door is being operated.

Operate the door only by the means provided.

Do not remove the casing over the curtain roll and the head gear unless the door is stopped, the chain is secured and locked in position and the power is switched off and tagged at the isolator on power operated doors.

7.6 Repairs and correct materials

Any damage to the door should be repaired as soon as possible with materials of the same grade or quality as that supplied with the original door.

Failure to use the same grade materials could lead to invalidation of the warranty. This could also have a detrimental effect on the service life of the door and potentially make the door unsafe.

Use of components on the door that are not as the original design of the door could also lead to non-compliance with the UKCA standard.

8 UKCA Labelling

The Paramount 26 door is supplied with a UKCA label, as required by UK law. It is the responsibility of the installer to ensure that the label is affixed in a clearly visible position on the roller shutter as per installation instructions.

CONSTRUCTION PRODUCT REGULATIONS 2013 SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2003	
SUPPLIER:	Paramount 26
YEAR:	2024
DOP REF:	ParaTherm95
PRODUCT TYPE:	Ind Op 95mm
 Raising Standards Advancing Safety MEMBER	REF: ZZ58199
	SAFEDRIVE 35
APPROVED BODY REF: 1104	
Essential Characteristics	Declared Performance
Resistance to wind load	CLASS 5
Safe Opening	PASS
Mechanical Resistance	PASS
Operating Force	PASS
U Value	3.2W/(m ² k)
Air Permeability	1.95 m ³ .h-1.m-2 @ 50Pa.
Thermal Test	3.3 W/m ² k
Designated Standard: EN 13241:2003 +A2:2016	
UK CA	Intended Use: External and internal roller shutter doorset for domestic, commercial and industrial use.
Paramount 26 Unit 7 Euro Court, Oliver Close, West Thurrock, Essex, RM20 3EE TEL: 01708 863 546 www.paramount26.co.uk	

UKCA Declaration of Conformity

Paramount 26

Unit 7 Euro Court, Cosgrove Road, West Thurrock, RM20 3EE

Motorised Roller Shutter

ParaTherm

Designated standard applied: EN 12453:2017+A1:2021

The company above declares under its own authority that the system above is in full compliance with:

- Supply of Machinery (Safety) Regulations 2008⁴

The company additionally declares under its own authority that the system is also in full compliance with the following regulations:

- Electromagnetic Compatibility Regulations 2016
- Radio Equipment Regulations 2017

Date of Declaration: 08.04.24

Signed By: Ray Carroll



Director of Paramount 26

UKCA Declaration of Performance

This Declaration of Performance is issued in accordance with Regulation (EU) No 305/2011 as it has effect in the United Kingdom, under the sole responsibility of the manufacturer identified below.

Paramount 26

Unit 7 Euro Court, Cosgrove Road, West Thurrock, RM20 3EE

Motorised Roller Shutter

ParaTherm95

Intended Use: External and internal roller shutter door set for domestic, commercial, and industrial use.

Approved Body Ref: 1121

Declared Performances:

Essential Characteristics	Declared Performance	AVCP
Mechanical resistance and stability	Pass	4
Resistance to wind load	Class +/- 5	3
Safe Opening	Pass	3
Operating Force	Pass	3
U Value	3.2W/(m ² k)	3
Air Permeability	1.95 m ³ .h-1.m-2 @ 50Pa.	3
Thermal Test	3.3 W/m ² k	3

Designated Standard: EN 13241:2003 +A2:2016

The performance of the product identified above is in conformity with the declared performance. This Declaration of Performance is issued under the sole responsibility of the manufacturer identified above.

Signed By: Ray Carroll
Director of Paramount 26



To record servicing and any repairs

Vat Reg. No: 5333803 62 Registered in England No: 2368317

www.paramount26.co.uk