THE PRIORY DOOR GROUP LIMITED
Leading Specialists in Doors to the Trade

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West Midlands
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3 or Single Phase "Chain Drive" Operated Insulated Roller Shutter Door - (DOC) Declaration of Conformity, (DOP) Declaration of Performance, Door Safety, Operation, Maintenance and Installation Instructions

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CE MARKED – Machinery Directive 2006 / 42 / EC
UKCA MARKED – Supply of Machinery (Safety) Regulations

DECLARATION OF CONFORMITY

Machine description **Rolling Shutter Door**

Make **Insulated Rolling Shutter**

Year of Manufacture

Serial number

Manufacturer **The Priory Shutter & Door Co. Ltd.**

Is in conformity with the provision of the above EC directive and Supply of Machinery (Safety) Regulations

Testing undertaken at Warrington A.P.T. Laboratories Ltd.
Test report number 145643 and 146755a

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

- 2006/42/EC – Machinery Directive

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

- 2014/30/EU – Electro-magnetic Compatibility Directive
- 2014/53/EU – Radio Equipment Directive

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

- Supply of Machinery Regulations 2008

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

- Electromagnetic Compatibility Regulations 2016
- Radio Equipment Regulations 2017

The equipment above must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the directive.
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Signed
Date **02/12/2024**
Name **Gavin Cooper**
Position **Managing Director**

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CONSTRUCTION PRODUCTS REGULATION DECLARATION OF PERFORMANCE
No. 0001 CPR DoP 07-2013

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: -

1. Manufacturer: **The Priory Shutter & Door Co Ltd. 89-91 Rolfe Street, Smethwick, West Midlands, B66 2AY**

2. Type, Batch and or Serial number: _____

3. Identification code: **Insulated Rolling Shutter, (Ganymede Range)**
   Single or 3 phase electrically Operated

4. Intended Uses: **External/Internal Door For Vehicle and/or Pedestrian Access**

5. Notified body and tasks: **Exova Warrington APT, a UKAS accredited Testing Laboratory (No. 0621) and EC Notified Body number (No, 1104). Key Industrial Park, Fernside Road, Willenhall, West Midlands, WV13 3YA, performed initial type tests under system 3 and issued test report No's; 145643/1, 145643/2, 145643/3, 145643/4 , 146755A & 329811A**

6. Assessment and verification of constancy of performance: **AVCP System 3**

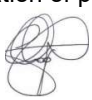
7. European Technical Assessment: **Not Applicable**

8. Declared performance

Essential Characteristics	Declared Performance	Harmonised Standard
Water Tightness	N.P.D.	EN 13241-1:2003 + A2:2016
Dangerous Substances	None	
Resistance To Wind Load	Class +5/-5	
Thermal Transmittance	N.P.D.	
Air Permeability	N.P.D.	
Safe Opening	Pass	
Definition of geometry of glass components	N.P.D.	
Mechanical resistance and stability	Pass	
Operating Forces	Pass	
Durability of Water Tightness, Thermal Resistance and Air Permeability against degradation	N.P.D.	

Specific Technical Documentation: **Not Applicable**

9. The performance of the product identified above is in full conformity with the declared performances. This declaration of performance is issued under the sole responsibility of the company identified above

Signed 
Date **02/12/2024**
Name **Gavin Cooper**
Position **Managing Director**

ROLLER SHUTTER DOOR SAFETY INSTRUCTIONS

THE FOLLOWING SAFETY INSTRUCTIONS MUST BE ADHERED TO AT ALL TIMES.

FAILURE TO DO SO COULD RESULT IN AN ACCIDENT/INJURY.

1. Keep openings clear of any obstructions.
2. Do not lean anything against the door curtain, guides, roller barrel assembly or coil casing.
3. Do not walk under a door whilst operating. Wait until the door is fully open.
4. Do not “rush” through a door that is closing. Wait for the door to fully close, and then re-open.
5. Do not operate a damaged door. If damaged, contact a service engineer immediately.
6. If the door becomes difficult to operate; cease using and contact a service engineer immediately.
7. Only use opening and closing equipment supplied with the door.
8. Do not suspend/anchor anything from the roller shutter.
9. Do not use the door to lift materials/personnel.
10. Do not remove the coil casing (if supplied) around the roller barrel assembly unless the door is stopped, the haul chain is secured and locked in position or the power is switched off at the isolator on electrically operated doors.
11. Do not force any form of locking.
12. Emergency Manual Override:-

    In the event of a power failure, it is possible to manually lift the door to the open position or close the door as follows:-

    When using a high level override system always gain access in a safe manner

    ALWAYS isolate the power supply before using the manual override

Single phase / 3 phase industrial motor / Power operated roller shutter doors

Low-level haul chain

- Locate the red and green brake release handles and the manual haul chain suspended from the motor at one side of the door.
- Pull on the red brake release hand to disengage the motor brake.
- Operate the manual haul chain to move the door in the required direction.
- Pull on the green handle to re-engage the motor brake and enable operation once the power is re-established.
- Always watch the door to ensure it is moving in the direction intended. Operating the door beyond its intended final limit position may damage the motor.

ROLLER SHUTTER DOOR SAFETY INSTRUCTIONS

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High-level haul chain

- Locate the haul chains suspended from the motor at one side of the door.
- At high level, lift the haul chain off the motor interlock switch and onto the chain wheel.
- Operate the manual haul chain to move the door in the required direction.
- At high level, lift the haul chain off the chain wheel and back onto the interlock switch to enable operation once the power is re-established.
- Always watch the door to ensure it is moving in the direction intended. Operating the door beyond its intended final limit position may damage the motor.

VERY IMPORTANT: The manual override system is designed for use during a power failure only, its purpose is to either open a door to gain access or close a door to give security.
It is not intended for daily use to operate the door prior to site wiring.
Repeated use will damage the assembly and void the warranty.

IMPORTANT

Any work carried out on the electrical components of the roller shutter door must be by a qualified electrician, who must ensure the equipment is isolated prior to commencing any work.

Roller shutter doors must not be modified from their original design. If future modifications are required, the manufacturer must be consulted.

Locking mechanisms on electrically operated roller shutter doors are not recommended unless used in conjunction with an interlock switch which disengages the power whilst the door is in the locked position.

ROLLER SHUTTER DOOR OPERATING & MAINTENANCE

3 or Single Phase "Chain Drive" Operated Insulated Roller Shutter Doors

In or out-board, 3 or Single phase, flange or "in-line" mounted "Chain Drive" motors are supplied with an independent safety brake device that is installed at the opposite side to the motor which engages and locks the barrel assembly in position should the door "drop" due to the unlikely event of a single component failure that would exceed the maximum allowed RPM of the brake assembly.

Operation and wiring diagrams for both types of motor with a range of control panels are supplied with the motors at delivery stage.

a. To Open

Release all forms of locking if supplied and place into the interlock box provided.
Press the "Open" or "Up" button on the starter unit or turn the key within the key switch. The door will automatically stop at the top when it reaches its pre-set limit.

b. To Close

Press the "Close" or "Down" button on the starter unit or turn the key within the key switch. The door will automatically stop at the bottom when it reaches its pre-set limit.
Remove the locking from the interlock box and re-fit to the door if supplied.

c. To Stop

Press the red stop button on the starter unit/control panel.

IMPORTANT: Electrically operated doors should only be wired in by fully experienced and competent electricians

Service and Maintenance

Like any other machinery, roller shutter doors require regular service and maintenance to ensure that they are working correctly and as designed.

Not all defects will have an immediate effect on the safety and operation of your door, but it will prove more cost effective to repair any defect earlier than risk a larger more costly repair at a later date.

Your roller shutter door will last many years with regular servicing and maintenance, but all components will wear and deteriorate over a period of time.

We recommend that your roller shutter doors are serviced at least once per year but recommend more frequent service visits if the doors are operated regularly.

Up to 10 operations per day – 1 visit every 6 months

Up to 30 operations per day – 1 visit every 3 months

Over 30 operations per day – 1 visit every 2 months

We recommend that you carry out your own daily inspection of your roller shutter doors, with some simple checks as follows: -

1. There is no damage to any parts of the door – Any damage to the door needs to be reported and suitable action taken to ensure the door works correctly.

2. The door operates freely and does not require excessive force to operate.

3. The door remains free from dust, dirt and grime build up which could affect the operation of the door, particularly in the guides. It is not recommended to use thick grease as this hardens over time and retains debris.

ROLLER SHUTTER DOOR INSTALLATION INSTRUCTIONS

READ THESE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.

1. ***Check for correct:***
    - Opening details in relation to those against the job specific drawing.
    - Materials and specification as per the delivery note/checklist.
    - Structure is square and fixing faces are in line and even and free from obstructions.
    - Structure can carry the weight of the roller shutter door supplied (identified on spec. sheet attached to drawing).

2. ***Face fixing arrangement:*** position 50mm leg of continuous flag post angles against the structure in accordance with the arrangement and dimensions on the drawing. Mark out the fixing holes and drill the structure for the specified/supplied fixings.

3. ***Between fixing arrangement:*** position 50mm leg of continuous between wall angles against the reveals of the structure in order to create a fixing face with the 100mm leg. Mark out and drill the structure for the specified/supplied fixings. Position 50mm leg of continuous flag post angles against the 100mm leg of the between wall angles in accordance with the detail on the drawing. Mark out the fixing holes and drill the 100mm leg of the between wall angles for the specified/supplied fixings. Note – between wall angles are intentionally left un-drilled so that if the reveal is "running out" the roller shutter flag posts can still be fitted vertical.

4. Secure the end-plates to the flag post angles at high level using M10 or M12 domed head fixings with nylock nuts supplied.

5. When angles are secured use a spirit level and measure to check that;
    - The angles are square and vertical and also level horizontally across the top of the end-plates.
    - The dimension between the end-plates is correct i.e. pin length.

6. Slide the safety brake mechanism over the plain end keyed shaft on the barrel assembly, ensuring that the brake will lock on inertia when rotated in the **downward** direction. Secure in place by fitting the provided counter-sunk bolt and washer to the end of the keyed shaft. **Note – failure to do this could cause a serious accident.**

7. Using suitable lifting equipment, lift the barrel assembly and place the gear end shaft into the "U" cup on the end-plate and safety brake onto the foot mounted angle. Bolt the safety brake to the angle using M10, M12 or M16 bolts & nylock nuts provided. Insert the split pin across the top of the "U" cup and retaining bolt through the outside of the gear end plate and into the tapped end of the shaft and tighten. **Note – failure to do this could cause a serious accident**. If the barrel is labelled "un-sprung" then proceed to 8. If the number of spring tension turns is denoted in half numbers then fit the barrel with the top lath fixings pointing down, facing the floor. If in whole numbers then fit with the fixings pointing up facing the roof.

8. ***Flange mounted operator:***
    - ***Out-board:*** fit the electric motor to the outside of the slots on the gear end plate using the M10 set bolts and nylock nuts provided.
    - ***In-board:*** fit the electric motor to the top hat bracket on the inside of the gear end plate using the M10 set bolts and nylock nuts provided.

9. Fit the drive sprocket onto the output shaft of the motor (ensuring limits are wound clear) and lock into position with the grub screw on the shoulder of the sprocket, ensuring gear alignment with the barrel plate wheel.

10. Fit the haul chain through the chain guide and over the chain wheel of the motor. Split and open a link. Join the ends together and close the link to form one continuous length of chain.

ROLLER SHUTTER DOOR INSTALLATION INSTRUCTIONS

READ THESE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.

11. ***Single phase "in-line" operator**:* fit the electric motor to the inside of the gear end plate over the pre-welded studs and tighten with nuts (JM500 & JM750) or using the bolts provided through the drilled and tapped holes, matching the triangular footprint (JM150). When fitting, ensure gear alignment between the barrel plate wheel and drive sprocket on the output shaft of the motor.*

12. Fit the drive chain around the barrel plate wheel and motor drive sprocket utilising the split link provided. For correct chain tension on out-board mounted motors, slide the operator on the slots on the roller shutter door end-plate. For in-board mounted operators, slide the top hat bracket on the studs mounted on the inside of the roller shutter door end-plate.

13. Fit the "chain keep" to the face of the structure or the 75mm leg of the gear end flag post angle at an easily accessible height (approx 1000mm – 1200mm from F.F.L.). Be sure to lock the haul chain into the "chain keep" and secure.

14. If the barrel is labelled "un-sprung" then proceed to 15. Apply tension to the barrel via the haul chain, turning in the direction of the arrow and by the number of turns as indicated on the barrel. Be sure to lock the haul chain into the "chain keep" and secure.

15. Secure the top section of the curtain to the barrel using the pre-fitted connector laths. Once complete, fit the black plastic cover caps (provided) over the M10 nuts that secure the connector laths to the barrel to protect the first "wrap" of the coil.

16. Each bundle of curtain will have a loose end-lock cable tied to the top lath at one end. Remove this end-lock and slide into place the next section of curtain. Then pop rivet the loose end-lock to retain the lath. Repeat this operation until all sections are in place and the bottom section with rubber floor seal is fitted last. Ensure that all loose end-locks have been pop riveted correctly in their relevant lath.

17. ***Fully sprung barrel assemblies**:* check the tension of the spring barrel by raising and lowering the curtain via the manual over-ride haul chain from the motor, taking care not to allow the bottom of the curtain to pass the opening height as spring tension would be lost.

18. If the curtain is difficult to raise but easy to lower, remove the bottom rail and raise the curtain and secure to the barrel with rope. Make one further turn to the barrel in the direction of the arrow to increase the tension and then proceed after re-fitting the bottom rail.

19. If the curtain is difficult to lower but easy to raise, remove the bottom rail and release one turn of the tension from the barrel by allowing the barrel to be rotated one turn in the opposite direction to the arrow, then proceed after re-fitting the bottom rail.

20. When satisfied that the balance is correct, fit the guide channels to the flag post angles using the M8 domed head fixings provided and lightly lubricate the inside faces of the channels with a layer of grease.

21. Fit the self-locking double brush seal assemblies to both legs of each guide channel to create a seal. Crimp the top of each brush strip on the flare of the bell mouth to ensure the brush pile remains in place when in operation.

22. ***"Un-sprung" barrel assemblies**:* Using the manual over-ride haul chain from the motor, raise the curtain to slightly below the end-plates. Fit the guide channels to the flag post angles using the M8 domed head fixings provided. Lightly lubricate the inside faces of the guide channels with a layer of grease.

23. Check that the curtain operates freely within the guides and that any locking mechanisms operate correctly.

ROLLER SHUTTER DOOR INSTALLATION INSTRUCTIONS

READ THESE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.

24. Fit the 100mm soffit brush strip to the lintel through the 180° aluminium carrier, while maintaining a seal that is as close as possible to the curtain.

25. Using the haul chain, operate the door to set the top limit. Then close the door to set the bottom limit. Follow the motor manufacturer's instructions (provided) closely when setting the limits.

26. If supplied, fit the hood to the end-plate cleats using the pop rivets provided. Larger hoods will be supplied in multiple telescopic sections labelled "small" and "large". Measure the overall end-plate width prior to pop riveting the telescopic sections together to ensure an accurate fit.

27. Fit any additional motor covers using the steel pop rivets supplied.

28. Fit all the appropriate labels provided. The customer must also be informed of any residual Health and Safety Risks.

29. The door can now be wired in by a competent electrician utilising the actuation equipment provided. All wiring diagrams are provided within the actuation/control enclosures – if in doubt, ask.

Tick off the checklist below (where applicable) as each test is carried out.

Guides Vertical	
Barrel Retaining Bolt and Split Pin Fitted	
Tension Correct	
Guide Brush Strips Fitted & Secure	
Lock Operational	

Barrel Level	
Gear Alignment	
Curtain Operates Freely	
Soffit Brush Strip Fitted	
Canopy Level	

Sign and date the bottom of this page and put your name in capitals below, if this is to be the retained record of installation.

ROLLER SHUTTER DOOR INSTALLATION DIAGRAM

3 or Single Phase "Chain Drive" Operated Insulated Roller Shutter Doors

DIAGRAM 3A