

---

## PERFORMANCE AND MAINTENANCE

---

### Environmental Constraints

- 1.2.1 Normal operating conditions for all lock mechanisms are:
- 1.2.1.1 Operating temperature range -20°C to +60°C
  - 1.2.1.2 Operating humidity range 10% Relative Humidity to 95% Relative Humidity
  - 1.2.1.3 The materials used will not degrade due to ultra violet light, or when using neutral acidity non solvent cleaning chemicals, at a rate faster than other parts of the window assembly.

### Maintenance

- 1.2.2 As with most mechanical devices, locks require periodic maintenance.
- 1.2.2.1 Every five years - Carry out the following checks:
    - a. Check the tightness and security of all fixing screws.
    - b. Check the Gasket compression.

Gasket compression can be adjusted via the Cam and use of a 3mm hexagon key. It is recommended that the cam be adjusted as required to maintain the profile manufacturers recommended gasket compression. (*Ref. Section 1.1, Cam Adjustment 1.1.9, Fig 7*)

### Operating Life

- 1.2.3 All DEFENDER® Locks will function normally for up to 30,000 cycles an estimated 50 years under normal conditions of use. The performance is subject to compliance with SECURISTYLE® maintenance instructions.

### Corrosion Resistance

- 1.2.4 When subjected to a 240 hour neutral salt spray test in accordance with ISO 9227:1990 the DEFENDER® Lock Bars exhibits no corrosion at a distance of 1 metre with unaided vision as stated in SECURISTYLE® test procedure TP003. When subjected to a 500 hour neutral salt spray test the DEFENDER® Lock will remain functional.

**Note:** All Austenitic products will meet Class 4 when assessed against BS.EN.1670:1998.

---

It is the responsibility of the user to ensure that this document is at the latest issue.

Due to our policy of continual product improvement we reserve the right to alter specifications without notice.

It is the responsibility of the window manufacturer to ensure that the finished window meets the required performance and safety specification.

