DECLARATION OF PERFORMANCE

No. 18012

1. **ID code of the product type:** Electric Lock

2. **Type number:** EL480, EL490, EL495

3. **Intended use:** On fire and smoke compartmentation doors
For doors on escape routes

4. **Manufacturer:** Abloy Oy
Joensuu factory
Wahlforssinkatu 20
FI-80100 Joensuu
FINLAND

5. **System or systems of assessment and verification of constancy of performance of the construction product:** AVCP 1

6. **Notified product certification body:** VTT Expert Services Ltd
ID No: 0809
P.O. Box 1001
FI-02044 VTT
FINLAND

CE Certificates: No. 0809-CPR-1157
No. 0809-CPR-1054
No. 0809-CPR-1053

7. **Declared performance:**

Essential Characteristics	Grade	Performance	Harmonized technical specification
4.3 Category of use	**3**	Doors in public buildings	**EN 14846:2008**
4.4 Durability and load on latchbolt	**S**	200 000 test cycles, 50 N load on latchbolt	
4.5 Door mass and closing force	**5**	Up to 200 kg, closing force max. 25 N	
4.6 Suitability for use on fire/smoke doors	**D**	EI60 fire doors	
4.7 Safety	**-**	See EN 179:2008 and EN 1125:2008	
4.8 Corrosion resistance, temperature and humidity	**L**	High resistance, -25 °C to +70 °C, Level 2	
4.9 Security	**3**	Medium security, no drill resistance	
4.10 Security – Electrical function	**1**	Indication	
4.11 Security – Electrical manipulation	**1**	Grade 1	
Dangerous substances	The materials used in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.		

Essential Characteristics	Grade	Performance	Harmonized technical specification
7.1 Category of use	**3**	High frequency of use where there is little intensive to exercise care	**EN 179:2008**
7.2 Durability	**7**	200 000 test cycles	
7.3 Door mass	**6**	Up to 200 kg	
7.4 Suitability for use on fire/smoke doors	**B**	Suitable for use on smoke door assemblies based on a test in accordance with EN 1634-1	
7.5 Safety	**1**	All emergency exit devices have a critical safety function	
7.6 Corrosion resistance	**3**	96 h (high resistance)	
7.7 Security	**4**	3 000 N	
7.8 Projection of operating element	**2**	Projection up to 100 mm (standard projection)	
7.9 Type of operation	**A**	Emergency exit device with "lever handle" operation	
7.10 Field of door application	**C/A**	Outwardly opening double exit door: inactive leaf only / Outwardly opening single exit door, double exit door: active or inactive leaf	
Dangerous substances	The materials used in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.		

Essential Characteristics	Grade	Performance	Harmonized technical specification
7.1 Category of use	**3**	High frequency of use where there is little intensive to exercise care	**EN 1125:2008**
7.2 Durability	**7**	200 000 test cycles	
7.3 Door mass	**6**	Up to 200 kg	
7.4 Suitability for use on fire/smoke doors	**B**	Suitable for use on smoke door assemblies based on a test in accordance with EN 1634-1	
7.5 Safety	**1**	All panic exit devices have a critical safety function	
7.6 Corrosion resistance	**3**	96 h (high resistance)	
7.7 Security	**2**	1000 N	
7.8 Projection of horizontal bar	**1**	Projection up to 150 mm (large projection)	
7.9 Type of horizontal bar operation	**A**	Panic exit device with "push-bar" operation	
7.10 Field door application	**B/C/A**	Single door only / Double door, inactive leaf only / Single door, double door: active or inactive leaf	
Dangerous substances	The materials used in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.		

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance point 7. The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Joensuu 2018-10-05
On behalf of Abloy Oy

Jari Kervinen
CTO