

DECLARATION OF PERFORMANCE (DoP) N. S0X

1. Unique identification of the product type: S0X (X = variable)
2. Type number: S00060, S00110, S00160, S01060, S01110, S01160, S02060, S02110, S02150, S02160, S02150, SH2160, S05110, S03130, S04150, S04160, S03000
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Cesarin Alberto (Legal Representative)

Gonars, 30th July 2020

ELFRI S.r.l.
Via Friuli, 9 - Z.I.
33050 GONARS (UD)
ITALY
P.V.A: 01662390309



DECLARATION OF PERFORMANCE (DoP) N. S1

1. Unique identification of the product type: S1
2. Type number: S10060, S10061, S10062, S10110, S10111, S10112, S10160, S10161, S10162, S10163, S10164, S13060, S13061, S13062, S13110, S13111, S13112, S19150, S19151, S19152
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Cesarin Alberto (Legal Representative)

Gonars, 30th July 2020

ELFRI S.r.l.
Via Friuli, 9 - Z.I.
33050 GONARS (UD)
ITALY
P.IVA: 01662390309



DECLARATION OF PERFORMANCE (DoP) N. S2

1. Unique identification of the product type: S2
2. Type number: S20050, S21050, S22050, S23050, S29050, S20051, 21051, S22051, S23051, S29051, S20052, S21052, S22052, S23052, S29052, S20110, S21110, S22110, S23110, S20111, S21111, S22111, S23111, S20112, S21112, S22112, S23112
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
- On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Cesarin Alberto (Legal Representative)

ELFRI S.r.l.
 Via Friuli, 9 - Z.I.
33050 GONARS (UD)
 ITALY
 P.IVA: 01662390309



Gonars, 8th January 2020

DECLARATION OF PERFORMANCE (DoP) N. S3

1. Unique identification of the product type: S3
2. Type number: S30060, S31060, S32060, S33060, S30061, S31061, S32061, S33061, S30062, S31062, S32062, S33062, 30050_061
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
- On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Gonars, 30th July 2020

Cesarin Alberto (Legal Representative)

ELFRI S.r.l.
Via Friuli, 9 - Z.I.
33050 GONARS (UD)
ITALY
P.IVA: 01662390309



DECLARATION OF PERFORMANCE (DoP) N. S5

1. Unique identification of the product type: S5
2. Type number: S50160, S50161, S50162, S52160, S52161, S52162, S59150, S59151, S59152, S59160, S59161, S59162
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Cesarin Alberto (Legal Representative)

Gonars, 30th July 2020

ELFRI S.r.l.
Via Friuli, 9 - Z.I.
33050 GONARS (UD)
ITALY
P.IVA: 01662390309



DECLARATION OF PERFORMANCE (DoP) N. S5-3-4

1. Unique identification of the product type: S5
2. Type number: S50163, S50164, S52163, S52164, S59153, S59154
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

11. Check insulation

| | | |
|--|-------------------------|-------------------------|
| Operating voltage | 110 Vac / Vdc | 230 Vac / Vdc |
| Resistance measurement of earth conductors | ≤ 0.2 Ω @ 10Adc per 1" | |
| Dielectric strength test | 1000 Vac @ 50 Hz per 1" | 2000 Vac @ 50 Hz per 1" |
| Insulation resistance test | ≥ 2 MΩ @ 500Vdc per 1" | |

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Gonars, 30th July 2020

Cesarin Alberto (Legal Representative)

ELFRI S.r.l.
Via Friuli, 9 - Z.I.
33050 GONARS (UD)
ITALY
P.V.A: 01662390309



DECLARATION OF PERFORMANCE (DoP) N. S6

1. Unique identification of the product type: S6
2. Type number: S60060, S60061, S60062, S62060, S62061, S62062
3. Intendend use: Fire and smoke compartmentation doors.
4. Manufacturer's name address: ELFRI S.r.l.
Via Friuli, 9 - 33050 Gonars (UD) Italia
5. Not Declared
6. Assessment system and constancy performance verification of the construction product: System 1
7. Number and name of the notified institute: ISTITUTO GIORDANO S.p.A. - N. 0407
On the base of the following elements, it has released constancy performance certificate of the construction product:
- i) Determination of the product-type on the basis of type testings (sampling included), type calculation, schedule values or descriptive documents of the products.
 - ii) Inspection of manufacturing plant and factory production control
 - iii) Surveillance, assessment and evaluation of factory production control
8. Not Declared

9. Declared performance

| Essential characteristics | Specific performance | Harmonised technical specification |
|--|--|------------------------------------|
| From 5.1.2 to 5.1.6 Design and product informatio | Pass | EN 1155:1997/A1:2002/AC:2006 |
| 5.2.1 Generality | Closer force 4-7 Mass of the door 80-160Kilos | |
| 5.2.2 Electric release | Pass | |
| 5.2.3 Requirements of the closure device | N/A | |
| 5.2.4 Duration | Grade 5 (50'000 test cycles) | |
| 5.2.5 Angle of hold | Pass | |
| 5.2.6 Manual release | Pass | |
| 5.2.7 Continuos hold open | Pass | |
| 5.2.8 Overload performance | Pass (15-36 Kilos) | |
| 5.2.9 Delayed release | N/A | |
| 5.2.11 Temperature rise | Pass | |
| 5.2.12 Damage | Pass | |
| 5.2.13 Fire and smoke doors suitability | Pass | |
| 5.2.14.1 Corrosion resistance | Grade 4 (240 hours) | |
| 5.2.14.2 Corrosion resistance | Pass | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Cesarin Alberto (Legal Representative)

Gonars, 8th January 2020

ELFRI S.r.l.
Via Friuli, 9 - Z.I.
33050 GONARS (UD)
ITALY
P.IVA: 01662390309

