

Certificate of Product Approval

Certificate Number: 1406b

Issue: 01

ALUFIRE Sp.z o.o.Sp.k

Ul. Warszawska 64a,
87-148 Lysomice k.Torunia
Poland



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

Products

Fire Doorsets

- ALUFIRE EI30 single leaf
- ALUFIRE EI30 double leaf
- ALUFIRE EI60 single leaf
- ALUFIRE EI60 double leaf

Standards

LPS1056 – Requirements for the LPCB approval and listing of fire doorsets, lift landing doors and shutters

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Damien Ward

Signed for LPCB

Damien Ward

Certification Scheme Manager

13 March 2017

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Table 1. ALUFIRE EI30 and ALUFIRE EI60 doorset systems

Product Name	Leaf type	Maximum Leaf Size			Filling/Glazing (see table no)	Fire Resistance classification (minutes) to EN13501-2	Self-closing / Smoke leakage Classification	LPCB Ref. No.
		Height(m m)	Width (mm)	Area (m²)				
ALUFIRE EI30 single leaf	-	3518	1416	4.459	2	30/30/30	C5Sa, C5Sm	1406b/01
ALUFIRE EI30 double leaf	Active leaf	2819	1669	4.2408	2	30/30/30	C5Sa, C5Sm	1406b/02
	Inactive leaf	2816	1258	3.187				
ALUFIRE EI60 single leaf	-	2816	1531	3.8607	3	60/60/60	C5Sa, C5Sm	1406b/03
ALUFIRE EI60 double leaf	Active leaf	2816	1533	3.900	3	60/60/60	C5Sa, C5Sm	1406b/04
	Inactive leaf	2816	1258	3.187				

Notes:

- LPCB Ref. No's 1406b/01, 1406b/02, 1406b/03 and 1406b/04 – ALUFIRE doorset systems to be manufactured and installed to the specifications as detailed in Classification Reports no's 00749.4/15/Z00NP/e dated 18/06/2015 and 00749.5/15Z00NP/e dated 14/06/2015.
- Where EI 15 and EI 45 fire doorset system classification is required the EI 30 and EI 60 designs can be applied to the EI 15 and EI 45 systems.
- LPCB Ref. No's 1406b/01 and 1406b/02 - systems can be installed in standard rigid or flexible supporting constructions of minimum fire resistance class EI 30 and in addition 30 minute partitions constructed using gypsum plasterboards, Promatect-H boards, Promaxon type A boards or Fermacell boards and steel grate, thickness of min. 100 mm, ALUFIRE and ALUFIRE Vision Line systems non-loadbearing glazing systems of minimum fire resistance class EI 30 (see LPCB certificate 1406a).

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4. LPCB Ref. No's 1406b/03 and 1406b/04 – systems can be installed in standard rigid or flexible supporting constructions of minimum fire resistance class EI 60: and in addition 60 minute partitions constructed using gypsum plasterboards, Promatect-H boards, Promaxon type A boards or Fermacell boards and steel grate, thickness of min. 100 mm, ALUFIRE EI60, EI120 and ALUFIRE Vision Line EI60 non-loadbearing glazing systems (see LPCB certificate 1460a).
5. LPCB Ref. No's 1406b/01 and 1406b/02 - ALUFIRE EI30 system shall be fixed, as follows:
 - in case of rigid supporting constructions, by means of: Steel fixings of min. 10 mm diameter x 112 mm long. The fixing elements are placed at max. 706 mm centres in case of horizontal edges and in max. 780 mm centres in case of vertical edges, wherein the distance from the corner to the first fixing point is max. 190 mm. Steel frame by means of: screws threaded along the entire length, dimensions of min. 7,5 x 130 mm in case of horizontal edges and dimensions of min. \varnothing 7,5 x 92 mm long in case of vertical edges. The fixing elements are placed in max. 530 mm distance in case of horizontal and vertical edges, wherein the distance from the corner to the first fixing point is max. 190 mm.
 - in case of flexible supporting constructions, by means of steel self-drilling screws, dimensions of min. \varnothing 6 x 55 mm. The fixing elements are placed in max. 520 mm distance in case of horizontal and vertical edges, wherein the distance from the corner to the first fixing point is max. 190 mm.
 - in case of non-loadbearing walls of ALUFIRE and ALUFIRE Vision Line glazed systems by means of common mullion / transom – basic aluminium profile, cat. No. F98-01-080-6-4.
6. LPCB Ref. No's 1406b/03 and 1406b/04 - ALUFIRE EI60 shall be fixed, as follows:
 - in case of rigid supporting constructions, by means of: Steel fixing diameter of min. 10 mm and length of min. 92 mm. The fixing elements are placed in max. 520 mm distance in case of horizontal edges and in max. 530 mm distance in case of vertical edges, wherein the distance from the corner to the first fixing point is max. 190 mm; Steel frame screws threaded along the entire length, dimensions of min. \varnothing 5 x 100 mm in case of horizontal edges and dimensions of min. \varnothing 7,5 x 92 mm in case of vertical edges. The fixing elements are placed in max. 530 mm distance in case of horizontal and vertical edges, wherein the distance from the corner to the first fixing point is max. 190 mm.
 - in case of flexible supporting constructions, by means of steel self-drilling screws, dimensions of min. \varnothing 6 x 55 mm. The fixing elements are placed in max. 520 mm distance in case of horizontal and vertical edges, wherein the distance from the corner to the first fixing point is max. 190 mm.
 - in case of non-loadbearing walls of ALUFIRE and ALUFIRE Vision Line glazing systems by means of common mullion/ transom – basic aluminium profile, cat. No. F98-01-080-6-4 or F98-01-095-6-4.
7. The gaps between the ALUFIRE EI30 and ALUFIRE EI60 systems doorset frames and rigid or flexible supporting constructions (maximum width of 30 mm) are filled by means of non-combustible mineral wool density of min. 70 kg/m³, or one of the following foams: GREAT STUFF of DOW company, SOUDAFOAM FR of SOUDAL company, NULLFIRE FF 197 1K-P of ILLBRUCK company (only for ALUFIRE EI30).
The gap is closed by means of one of the following components:
 - gypsum plasterboard
 - mortar for plastering,
 - cement-lime plaster,
 - fireproof silicone or acryl,
 - aluminium profile,

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- steel profile,
 - steel or aluminium sheet.
8. There is no gap between the frame of the doorset and supporting construction in case of the doorsets fixed to the non-loadbearing walls of ALUFIRE and ALUFIRE Vision Line glazing systems.
 9. Steel anti-theft sheets may be fixed to the frame profile on the hinge edge, on the height of the dog bolts(cat. No. 410-00-000-0-0). Steel sheets are fixed by means of self-drilling screws dimensions of $\varnothing 3,9 \times 25$ mm (cat. No. 400-39-025-0-0).
 10. LPCB Ref. No's 1406b/01, 1406b/02, 1406b/03 and 1406b/04– Jointing components, screws, bolts, rivets, nuts, washers are only stainless or galvanized steel.
 11. In the doorsets with fire resistance class (only) can be fixed the ATG 1503 air transfer grill of CARBOLINE company in opaque panel overall thickness of 40.5mm, the maximum dimensions of the air transfer grill is 150mmx300mmx40mm (width x height x thickness) or ATG 1300 of CARBOLINE company (only for ALUFIRE EI30) in opaque panel overall thickness of 40,5mm,, the maximum dimensions of the air transfer grill is 300mmx300mmx40mm (width x height x thickness). The top edge of the air transfer grill cannot be placed higher than 500mm from the bottom edge.
 12. ALUFIRE systems manufacturer:
The following Company manufacture the products listed on this certificate to a specification issued and is audited by the LPCB to ensure the product certification requirements are met.

Alufire Sp. z o.o.Sp.k. (LPCB Ref. 1406)

64 a ul. Warszawska
87-148 Lysomice K. Toruna,
Poland

Table 2. ALUFIRE EI30 doorsets fillings / glazing systems

Manufacturer	Glass panel type	Thickness (mm)	Max. dimensions (mm x mm)
PILKINGTON	PYROSTOP 30-10	15	1074x2907 1182x2297
PILKINGTON	PYROSTOP 30-20	18	1074x2907 1182x2297
AGC	PYROBEL 16	17.3	1074x2907 1182x2297
AGC	Pyrobel 16EG	21,1	1074x2907 1182x2297
REGLAS s.r.o.	PYROBAT 15	15	1182x2250
Vetrotech Saint-Gobain	EKOFLAM 30	15	1300x2300

Other ALUFIRE EI30 system filling systems not mentioned in table 2:

- glass units made of glazing presented in table 1 coupled with safety glass or laminated glass in accordance with EN 12150-1:2002 or EN ISO 12543-2:2000;

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- opaque panels, with core made of three layers of gypsum plasterboards type F (each thickness of 12,5 mm) and external facing made of:
 - aluminium sheets thickness of 1,5 mm (opaque panel overall thickness 40,5 mm, maximum dimensions: 1174 x 2297 mm, width x height), or
 - stainless steel sheets thickness of 1,0 mm (opaque panel overall thickness 39,5 mm, maximum dimensions: 1174 x 2297 mm, width x height).
- opaque panels, with core made of two layers of gypsum plasterboards type F (each thickness of 12,5 mm) and external facing made of:
 - aluminium sheets thickness of 1,5 mm (opaque panel overall thickness 28 mm, maximum dimensions: 1174 x 2297 mm, width x height), or
 - stainless steel sheets thickness of 1,0 mm (opaque panel overall thickness 27 mm, maximum dimensions: 1174 x 2297 mm, width x height).

Maximum dimensions of PYROSTOP 30-10 glazing of PILKINGTON company can be increased, as follows:

- 1389X3374 mm (width x height), area -3.7465m².

Maximum dimensions of PYROBEL 16 glazing of AGC company can be increased, as follows:

- 1154X3140 mm (width x height), area -3.4343m² or
- 1389x2672 mm (width x height), area -3.258m².

Maximum dimensions of PYROBAT 15 glazing of REGLAS s.r.o. company can be increased, as follows:

- 1389X2618 mm (width x height), area -3.1914m².

Maximum dimensions of EKOFLAM 30 glazing of Vetrotech Saint-Gobain company can be increased, as follows:

- 1524X2675 mm (width x height), area -3.588m².

Doorsets of ALUFIRE EI30 system can be also glazed with the glazing in accordance with table 3.

Table 3. ALUFIRE EI60 doorsets fillings / glazing systems

Manufacturer	Glass panel type	Thickness (mm)	Max. dimensions (mm x mm)
AGC	PYROBEL 25	26.6	1182x2297
AGC	PYROBEL 25EG	30.4	1182x2297
PILKINGTON	PYROSTOP 60-101	23	1182x2297
PILKINGTON	PYROSTOP 60-201	27	1182x2297

Other ALUFIRE EI60 system filling systems not mentioned in table 3:

- glass units made of glazing presented in table 1 coupled with safety glass or laminated glass in accordance with EN 12150-1:2002 or EN ISO 12543-2:2000;

- opaque panels, with core made of three layers of gypsum plasterboards type F (each thickness of 12,5 mm) and external facing made of:

aluminium sheets thickness of 1,5 mm (opaque panel overall thickness 40,5 mm, maximum dimensions: 1174 x 2297 mm, width x height), or

- stainless steel sheets thickness of 1,0 mm (opaque panel overall thickness 39,5 mm, maximum dimensions: 1174 x 2297 mm, width x height).

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Table 4. Approved hardware and accessories

Hardware	Standard	Type for ALUFIRE EI30	Type for ALUFIRE EI60
Hinges	EN 1935:2003+AC:2005	<p>(2-4 pcs. Per leaf dependent on size of door leaf) one of the following types:</p> <ul style="list-style-type: none"> - LOIRA+ of FAPIM company; - DINAMIKA (A8010 – A8014, A8010.11 – A8014.11) of MASTER company; - R67, MAH3D Plus of ALUSYSTEM company - SERIE 60, ROLLENBAND of Dr Hahn company - 670 of LAVAL company - JOCKER Alu of MEDOS company - WL, WR, WX of WALA company. <p>Note: fixed by means of steel mounting plates or steel fixing dowels. Steel dog bolts, cat. No. 410-00-000-0-0, fixed by means of steel screws, dimensions of $\varnothing 3,9 \times 25$ mm.</p>	<p>(2-4 pcs. per leaf dependent on size of door leaf) one of the following types:</p> <ul style="list-style-type: none"> - LOIRA+ of FAPIM company, - DINAMIKA (A8010 – A8014, A8010.11 – A8014.11) of MASTER company - R67, MAH3D Plus of ALUSYSTEM company, - SERIE 60, ROLLENBAND of Dr Hahn company, - 670 of LAVAL company, - JOCKER Alu of MEDOS company, - WL, WR, WX of WALA company, fixed by means of steel mounting plates or steel fixing dowels. Steel dog bolts, cat. No. 410-00-000-0-0, fixed by means of steel screws, dimensions of $\varnothing 3,9 \times 25$ mm.
Lock	EN 12209:2005+AC:2006 EN 1906:2012] EN 179: 2009 EN 1125: 2009 EN 1303:2007+AC:2008	<p>one of the following types:</p> <ul style="list-style-type: none"> - 1820 – 1840, 1890, 1891, 1906, 1909 – 1914, 1916, 1919 – 1924, 1926, 1929 – 1933, 1936, 1939, 1970, 1971, 1975, 1980, 1981, 1990, SECURY series 19XX, SECURY AUTOMATIC + profile U24x6 + motor and power supply type A- Öffner, SECURY 1910, of GU Polska company; - GBS 60, GBS 71, GBS 76, GBS 96, GBS 98, GBS D.O. 97 of ECO SCHULTE company, 	<p>one of the following types:</p> <ul style="list-style-type: none"> - 1820 – 1840, 1890, 1891, 1906, 1909 – 1914, 1916, 1919 – 1924, 1926, 1929 – 1933, 1936, 1939, 1970, 1971, 1975, 1980, 1981, 1990, SECURY series 19XX, SECURY AUTOMATIC + profile U24x6 + motor and power supply type A- Öffner, SECURY 1910, of GU Polska company, - GBS 60, GBS 71, GBS 76, GBS 96, GBS 98, GBS D.O. 97 of ECO SCHULTE company, - Series 96XX/08 of NEMEF company, - 781-301 IFZ of ISEO company,

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		<ul style="list-style-type: none"> - Series 96XX/08 of NEMEF company - 781-301 IFZ of ISEO company, - EL 420, EL 460, EL 461, EL 480 of ASSA ABLOY company, - 46219-30, 43660, SICUR PANIC (mod. 1.43620.xx.0.00.xx.xx, 1.43630.xx.0.00.xx.xx, 1.43631.xx.0.00.xx.xx, 1.43632.xx.0.00.xx.xx, 1.43650.xx.0.00.xx.xx, 1.43660.xx.0.00.xx.xx, 1.4361.xx.0.00.xx.xx, 1.43662.xx.0.00.xx.xx, 1.43690.xx.0.00.xx.xx) of CISA company, - 603 of DORMA company with cylinder for lock, <p>Door handle with steel pin, diameter of 8 or 9 mm.</p>	<ul style="list-style-type: none"> - EL 420, EL 460, EL 461, EL 480 of ASSA ABLOY company, - 46219-30, 43660, SICUR PANIC (mod. 1.43620.xx.0.00.xx.xx, 1.43630.xx.0.00.xx.xx, 1.43631.xx.0.00.xx.xx, 1.43632.xx.0.00.xx.xx, 1.43650.xx.0.00.xx.xx, 1.43660.xx.0.00.xx.xx, 1.4361.xx.0.00.xx.xx, 1.43662.xx.0.00.xx.xx, 1.43690.xx.0.00.xx.xx) of CISA company, - 603 of DORMA company, with cylinder for lock, <p>Door handle with steel pin, diameter of 8 or 9 mm.</p>
Door closer	EN 1154:1999+AC:2010	<p>one of the following types:</p> <ul style="list-style-type: none"> - TS 71, TS 72, TS 73V, TS 73 EMF/EMR, TS 83, TS 89F, TS 91, TS 91 GSR, TS 91 GSR EMF, TS 91 GSR EMF2, TS 91 EMF, TS 91 EMR, TS 91 GSR EMR, TS 91 GSR EMR2, TS 92, TS 92 GSR, TS 92 GSR EMF, TS 92 GSR EMF2, TS 92 EMF, TS 92 EMR, TS 92 GSR EMR, TS 92 GSR EMR2, TS 93, TS 93 GSR, TS 93 GSR EMF, TS 93 GSR EMF2, TS 93 EMF, TS 93 EMR, TS 93 GSR EMR, TS 93 GSR EMR2, TS PROFIL, ED 	<p>one of the following types:</p> <ul style="list-style-type: none"> - TS 71, TS 72, TS 73V, TS 73 EMF/EMR, TS 83, TS 89F, TS 91, TS 91 GSR, TS 91 GSR EMF, TS 91 GSR EMF2, TS 91 EMF, TS 91 EMR, TS 91 GSR EMR, TS 91 GSR EMR2, TS 92, TS 92 GSR, TS 92 GSR EMF, TS 92 GSR EMF2, TS 92 EMF, TS 92 EMR, TS 92 GSR EMR, TS 92 GSR EMR2, TS 93, TS 93 GSR, TS 93 GSR EMF, TS 93 GSR EMF2, TS 93 EMF, TS 93 EMR, TS 93 GSR EMR, TS 93 GSR EMR2, TS PROFIL, ED

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		200, GROOM GR 200 of DORMA company, - TS 1500, TS 2000, TS 2000V, TS 2000VBC, TS 3000V, TS 3000 ISM, TS 3000 E-ISM, TS 3000 R-ISM, TS 4000, TS 4000 S, TS 4000 E, TS 4000 R, TS 4000 EFS, TS 4000 RFS, TS 4000 IS, TS 4000 E-IS, TS 4000 R-IS, TS 5000, TS 5000 E, TS 5000 R, TS 5000 S, TS 5000 ISM, TS 5000 E-ISM, TS 5000 R-ISM, TS 5000 EFS, TS 5000 ISM-EFS, TS 5000 R-ISM EFS, TS FDM, BOXER, automatic for swing doors type EMD-F of GEZE company, - OTS 130, OTS 430, OTS440, OTS 730 of GU company, - TS 21 of ECO SCHULTE - company, - DC 140, DC 200, DC 300, DC 300 with G461, DC 340, DC 500, DC 700, DC 700 with G461 of ASSA ABLOY company.	200, GROOM GR 200 of DORMA comapny, - TS 1500, TS 2000, TS 2000V, TS 2000VBC, TS 3000V, TS 3000 ISM, TS 3000 E-ISM, TS 3000 R-ISM, TS 4000, TS 4000 S, TS 4000 E, TS 4000 R, TS 4000 EFS, TS 4000 RFS, TS 4000 IS, TS 4000 E-IS, TS 4000 R-IS, TS 5000, TS 5000 E, TS 5000 R, TS 5000 S, TS 5000 ISM, TS 5000 E-ISM, TS 5000 R-ISM, TS 5000 EFS, TS 5000 ISM-EFS, TS 5000 R-ISM EFS, TS FDM, BOXER, automatic for swing doors type EMD-F of GEZE company, - OTS 130, OTS 430, OTS440, OTS 730 of GU company, - TS 21 of ECO SCHULTE company, - DC 140, DC 200, DC 300, DC 300 with G461, DC 340, DC 500, DC 700, DC 700 with G461 of ASSA ABLOY company.
Inactice leaf locking system –		bottom and top bolt (in case of double leaf doorsets), one of the following types: - HZ 27, HZ 43F of DORMA company, - CREMONE of FAPIM company, - 2396 of ASSA ABLOY company, - 27HZ of Stanislav Šmid company,	bottom and top bolt (in case of double leaf doorsets), one of the following types: - HZ 27, HZ 43F of DORMA company, - CREMONE of FAPIM company, - 2396 of ASSA ABLOY company, - 27HZ of Stanislav Šmid company,

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Hardware	Standard	Type for ALUFIRE EI30	Type for ALUFIRE EI60
		<ul style="list-style-type: none"> - WN, WSN of WALA company, - TEX 8 of MASTER company, - Type 801 of MEDOS company. 	<ul style="list-style-type: none"> - WN, WSN of WALA company, - TEX 8 of MASTER company, - Type 801 of MEDOS company.
Electric strike, one of the following types:		<p>one of the following types:</p> <ul style="list-style-type: none"> - 1411RF (reversible) of LOCKPOL company with additional lock type 1548-21 of LOCKPOL company or type 807-10 of ASSA ABLOY company or - type 196R of LOCKPOL company, - type 06 series XSHD of BIRA company, - series 142, 143, of ASSA ABLOY company, - 331, 332 series (reversible) of ASSA ABLOY company with additional lock type 807-10 of ASSA ABLOY or - type 1548-21 of LOCKPOL company or - type 196R of LOCKPOL company, - 138.13 (reversible) of ASSA ABLOY company with additional lock type 807-10 of ASSA ABLOY or - type 1548-21 of LOCKPOL company or - type 196R of LOCKPOL company. 	<p>one of the following types:</p> <ul style="list-style-type: none"> - 1411RF (reversible) of LOCKPOL company with additional lock type 1548-21 of LOCKPOL company or type 807-10 of ASSA ABLOY company or - type 196R of LOCKPOL company, - type 06 series XSHD of BIRA company, - series 142, 143, of ASSA ABLOY company, - 331, 332 series (reversible) of ASSA ABLOY company with additional lock type 807-10 of ASSA ABLOY or - type 1548-21 of LOCKPOL company or - type 196R of LOCKPOL company, - 138.13 (reversible) of ASSA ABLOY company with additional lock type 807-10 of ASSA ABLOY or - type 1548-21 of LOCKPOL company or - type 196R of LOCKPOL company.
Reed switch		<p>one of the following types:</p> <ul style="list-style-type: none"> - MC 240 of ALARMTECH Polska company, - 314 of AT Line company, 	<p>one of the following types:</p> <ul style="list-style-type: none"> - MC 240 of ALARMTECH Polska company, - 314 of AT Line company
Drop seal		one of the following types:	one of the following types:

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Appendix to Certificate No: 1406b ALUFIRE Sp.z o.o.Sp.k

Issue: 01

Hardware	Standard	Type for ALUFIRE EI30	Type for ALUFIRE EI60
		<ul style="list-style-type: none"> - IGLOO DA0501 of DOMATIC company, - DOMATIC of FAPIM company, - AMS3820 and AMS2420 of ALUMASTER company. 	<ul style="list-style-type: none"> - IGLOO DA0501 of DOMATIC company, - DOMATIC of FAPIM company, - AMS3820 and AMS2420 of ALUMASTER company.
Closing sequence coordinating device		one of the following types: <ul style="list-style-type: none"> - DORMA and GEZE company – in accordance with the paragraph “Door closers” - 8535 of FAPIM company, - 25DK of Stanislav Šmid company, - G461, G462, G464 of ASSA ABLOY company. 	one of the following types: <ul style="list-style-type: none"> - DORMA and GEZE company – in accordance with the paragraph “Door closers” , - 8535 of FAPIM company, - 25DK of Stanislav Šmid company, - G461, G462, G464 of ASSA ABLOY company.
Folding arm actuator (ejector for aerating doorset)		one of the following types: <ul style="list-style-type: none"> - TA-60 (with fixing console) of GU Polska company, - RWA K600 of GEZE company, - EA-KL-T, EA-KL2-T of SIMON RWA Company, - DDS 54/500 of D+H company. 	one of the following types: <ul style="list-style-type: none"> - TA-60 (with fixing console) of GU Polska company, - RWA K600 of GEZE company, - EA-KL-T, EA-KL2-T of SIMON RWA company, - DDS 54/500 of D+H company.
Panic device		one of the following types: <ul style="list-style-type: none"> - B 71XX XXXX of GU BKS company, - PANAMA (types: 8015, 8015X, 8022, 8022X, 8035, 8035X, 8039, 8040, 8040X with appropriate accessories) of FAPIM company, - PHA 2000 CONTUR, PHB 3000 CONTUR of DORMA company, - FAST TOUCH, FAST PUSH of CISA company. 	one of the following types: <ul style="list-style-type: none"> - B 71XX XXXX of GU BKS company, - PANAMA (types: 8015, 8015X, 8022, 8022X, 8035, 8035X, 8039, 8040, 8040X with appropriate accessories) of FAPIM company, - PHA 2000 CONTUR, PHB 3000 CONTUR of DORMA company, - FAST TOUCH, FAST PUSH of CISA company.
Cable culvert		one of the following types:	one of the following types:

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Damien Ward
Signed for LPCB

Damien Ward
Certification Scheme Manager

13 March 2017
Date of Issue

13 March 2017
Date of First Issue



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Appendix to Certificate No: 1406b ALUFIRE Sp.z o.o.Sp.k

Issue: 01

Hardware	Standard	Type for ALUFIRE EI30	Type for ALUFIRE EI60
		<ul style="list-style-type: none"> - 6906, 6907, 6908 of LOCKPOL company, - 050060 of ISEO company. 	<ul style="list-style-type: none"> - 6906, 6907, 6908 of LOCKPOL company, - 050060 of ISEO company.
Electromagnetic fire door holders		one of the following types: <ul style="list-style-type: none"> - S01, S02, S03, 1350, 1360, 1369, 1370, 1380 of 4Ti company, - EM, GTR of DORMA company, - Series ZW of YOTOGI company, - Series 06, 12 of YALE company. 	one of the following types: <ul style="list-style-type: none"> - S01, S02, S03, 1350, 1360, 1369, 1370, 1380 of 4Ti company, - EM, GTR of DORMA company, - Series ZW of YOTOGI company, - Series 06, 12 of YALE company.

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Damien Ward

Signed for LPCB

Damien Ward

Certification Scheme Manager

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