

EU TYPE-EXAMINATION CERTIFICATE

1. **EU type-examination Certificate (Module B)**
2. **Component intended for use with Equipment or Protective System in potentially explosive atmospheres (Directive 2014/34/EU)**
3. **EU type examination certificate Nr** **ITS-I 26 ATEX 37089U**
4. **Component:** Empty enclosures UNIBOX-EXU and TAISBOX-EXU
5. **Manufacturer:** Palazzoli S.p.A.
6. **Address:** Via F. Palazzoli 31, 25128 Brescia (BS) - Italy
7. This component and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 106521523UDI-002
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-7:2015 + EN IEC 60079-7:2015/A1:2018, EN 60079-31:2014, except in respect of those requirements referred to at item 18 of the Schedule.
10. If the sign U placed after the certificate number indicates that this certificate must not be mistaken relative to an equipment or protective system.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
12. The marking of the component shall include the following:



TAISBOX-EXU	UNIBOX-EXU
I M2 Ex eb I Mb	II 2G Ex eb IIC Gb
II 2G Ex eb IIC Gb	II 2D Ex tb IIIC Db
II 2D Ex tb IIIC Db	
or	
II 2G Ex eb IIC Gb	
II 2D Ex tb IIIC Db	
or	
I M2 Ex eb I Mb	

Marco Simone Ghisu

Certificate issue date

12th June 2026

Marco Simone Ghisu
Certification Officer
Intertek Italia S.p.A. (NB 2575)



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Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy

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13. DESCRIPTION OF COMPONENT

TAISBOX-EXU are Ex eb and Ex tb non-metallic empty enclosures of various dimensions and UNIBOX-EXU are Ex eb and Ex tb metallic empty enclosures of various dimensions. The cover is assembled onto the body with screws. Between body and cover a silicon foam gasket guarantees the protection degree. The Enclosure TAISBOX-EXU and UNIBOX-EXU can be supplied without holes, with pre-drilled holes (only TAISBOX-EXU) and with customized holes. Maximum dimensions and maximum number of holes follow the manufacturer's instructions.

Service Temperature Ranges per Equipment Group and Mechanical Risk Category

		TAISBOX-EXU		UNIBOX-EXU	
Category	Risk for impact or friction*	Service Temperature*			
		Min	Max	Min	Max
I	low	-40°C	+90°C		
II	low	From -40°C to -50°C	+90°C	-50°C	+90°C
II	high	-40°C	+90°C		

*For special versions, see the user manual (Section **Specific conditions and limitations of use of the assembly Ex-component**) for limitations imposed by pre-assembled accessories, if present.

Type code is composed in the following meaning for both TAISBOX-EXU and UNIBOX-EXU:

YxxxxxxEX-nnnnn

Code	Meaning
Y	S: Special version Empty: no custom features
xxxxxxEX	See table below to define the code with dimension of enclosure
-	
nnnnn	Progressive number of drawings in accordance with Palazzoli procedure, only when suffix S Special version based on product listed below can be provide with one or more of the following characteristics: • different color (only for UNIBOX-EXU); • pre-drilled walls/lids; • M6 or M8 threaded ground studs; • brass or stainless-steel ground plates (only for UNIBOX-EXU); • metal plates screwed to the lid; • cable glands, plugs, and/or drain valves pre-installed on the enclosure.

Where xxxxxxEX can be:

	Code		Measure (mm)
	532200EX		125x185x125
	532201EX		190x185x125
	532202EX		125x185x125



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	532203EX	190x185x125
	532204EX	250x185x125
	532035EX	290x185x125
	532045EX	380x185x125
	532055EX	92x92x68
	532116EX	92x125x68
	532117EX	92x185x68
	532118EX	125x125x100
	532005EX	125x185x100
	532006EX	125x250x100
	532015EX	92x92x100
	532016EX	92x125x100
	532017EX	92x185x100
	532018EX	125x125x125
	531011EX	125x185x125
	531021EX	125x250x125
	531040EX	250x250x140
	531042EX	370x250x140
	531062EX	500x370x140
TAISBOX-EXU Pre-Drilled	532281EX	100x100x59
	532282EX	140x115x61
	532283EX	166x141x64
	532284EX	192x168x80
	532285EX	253x217x93
	532286EX	314x264x122
UNIBOX-EXU	520009EX	100x100x59
	520011EX	140x115x61
	520012EX	166x141x64
	520014EX	192x168x80
	520019EX	253x217x93
	520020EX	314x264x122
	520021EX	410x315x150

14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
Technical File	Doc. N. 433U	00	2026-03-20
Cover page of Annex 01 of Technical File	Annex 01TF Doc. N. 433U	00	2026-03-04
Cover page of Annex 02 of Technical File	Annex 02TF Doc. N. 433U	00	2026-03-20
Cover page of Annex 03 of Technical File	Annex 03TF Doc. N. 433U	00	2026-03-20
Annex 04 of Technical File	Annex 04TF Doc. N. 433U	00	2026-03-20
Annex 06 of Technical File	Annex 06TF Doc. N. 433U	00	2026-03-20



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TITLE	DOCUMENT Nr	LEVEL	DATE
SAFETY, USE and MAINTENANCE INSTRUCTIONS	C010342	00	2026-03-20
Test report – UV ageing of AKROMID B3 CF 5 S1 LF – Colour black	20LA13351	-	10/11/2020
Test report - Charpy Impact Strength of Polyamide 6 before and after UV exposure	IWTN/W000012390RL001	-	15/12/2020
Test Report No. 14 TR 0146	14TR0146	-	15.12.2014

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

15. SCHEDULE OF LIMITATIONS

- Enclosures UNIBOX-EXU and TAISBOX-EXU are suitable for the service temperature -50°C to +90°C for Group II & III applications.
- TAISBOX-EXU enclosures have service temperature range -40°C to +90°C for Group I applications.
- External Aluminium label of special version of TAISBOX-EXU is not for Group I applications.
- TAISBOX-EXU enclosures are “low risk” for impact or friction for Group I applications.
- TAISBOX-EXU enclosures, when intended for firedamp mines (Group I applications), may only be installed in places protected against the exposure to chemical agents like oils and greases or hydraulic liquids..
- TAISBOX-EXU enclosures are “low risk” for impact or friction for Group II & III applications when minimum service temperature is lower than -40°C
- UNIBOX-EXU enclosures are “low risk” for impact or friction for Group II & III applications
- TAISBOX-EXU and UNIBOX-EXU drillings in walls/lid shall be in accordance with Manufacturer’s instructions.
- For UNIBOX-EXU see user manual to minimize the risk of electrostatic charge
- The measured capacitance of TAISBOX-EXU external conductive part is 29 pF, in accordance with clause 7.5 of IEC 60079-0. When TAISBOX-EXU is equipped with metallic label this value shall be considered by the equipment manufacturer when assessing electrostatic ignition risk in the final application
- For TAISBOX-EXU and UNIBOX-EXU special versions of enclosures equipped with pre-assembled accessories, such as cable glands, blanking elements or drain valve, it is necessary to observe the specific conditions and limitations of use of the components used listed in the user manual.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant Essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 106521523UDI-002 dated 2026-06-08.

17. ROUTINE (FACTORY) TESTS

N/A