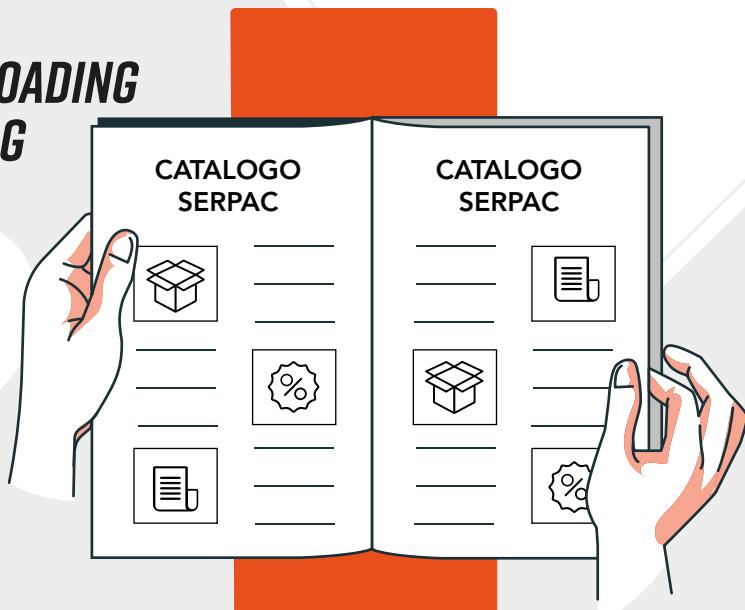




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CATALOG 4G PYROBOXES

FEBRUARY 2026



LET THE SHOW BEGIN!

UN CERTIFIED > 4G PYROBOXES

FOR DIFFERENT FIREWORKS



RISKS ASSESSMENT

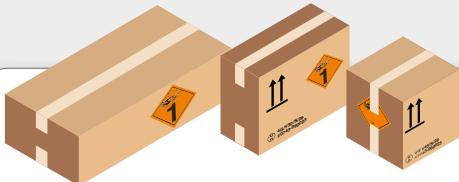
THE MORE YOU SHIP, THE MORE YOU RISK

Hidden risks evaluation is a key aspect that must be taken into serious consideration. Here are some suggestions for you to better understand if you are really shipping safely.



HIGH RISKS, HEFTY FINES

Checks and sanctions can put your company or the company buying the packaging into trouble



ALWAYS CHECK THE UN-CERTIFICATE



- It hasn't to be expired
- It must be valid for all transport modalities ADR, RID, ADN, IMDG and ICAO-TI / IATA
- It must allow the use of your inner packaging

THE PRODUCER MUST ALWAYS



- Be the same as the one written on the test report
- Have knowledge about dangerous goods and the related responsibilities
- Be aware and respect the yearly updates
- Guarantee a 5-year-traceability
- Go under production controls



DON'T RISK, SHIP SAFELY

We produce and certify UN 4G customized packaging, paying attention to your need and in compliance with the law

SHIP SAFE AND SOUND

WE WILL TAKE CARE OF ALL THE LAW REQUIREMENTS

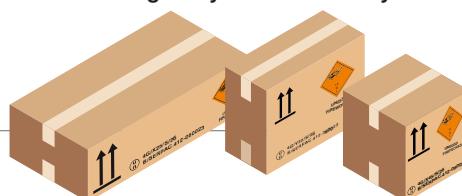
- Our certifications do not expire
- Are valid for all transport modalities ADR, RID, ADN, IMDG and ICAO-TI / IATA
- Are done specifically on your inner packaging



OUR PACKAGINGS ARE PRODUCED



- Always in compliance with the law
- Always up to date when there are some changes in graphics by law
- Performing yearly checks at our expenses
- Guaranteeing a 5-year-traceability



TEST REPORT

WHAT MUST A VALID TEST REPORT CONTAIN?

Don't risk blowing up your fireworks show.

The certification on your box is not enough
to make sure your goods will reach their destination.
The test report is the fundamental document proving
the packaging suitability. Other than the basic information
required, here are the further details that it should contain.

BELGISCH VERPAKKINGSINSTITUUT
Besloten Vennootschap

INSTITUT BELGE DE L'EMBALLAGE
Société Privée à Responsabilité Limitée

Report № G-20.134 - p. 6 / 27

1 Tests on fibreboard boxes (4G), to obtain the authorization for the transport of dangerous of dangerous goods by ADR, RID, ADN, IMDG, ICAO-TI / IATA.

Content:
Different types of *cylindrical shells* UN0333, UN0334, UN0335, UN0336 or UN0337. The empty space in the box must be filled up with a suitable filling material.

4 Content:
- Tape closing model of the box: 'U'

3 a) 134 x cylindrical shell of calibre 60 mm
- Diameter x length: $\pm 60 \times 60$ mm
- Gross weight: ± 170 g
- Gross total test weight: 22.8 kg
Gross mass of the tested sample : 23.9 kg
Gross mass of the final package : 24.9 kg

5 b) 24 x cylindrical shell of calibre 100 mm
- Diameter x length: $\pm 100 \times 200$ mm
- Gross weight: ± 1290 g
- Gross total test weight: 30.9 kg
Gross mass of the tested sample : 32 kg
Gross mass of the final package : 32 kg

c) 4 x cylindrical shell of calibre 200 mm
- Diameter x length: $\pm 200 \times 185$ mm
- Gross weight: ± 5029 g
- Gross total test weight: 20.1 kg
Gross mass of the tested sample : 21.2 kg
Gross mass of the final package : 22.1 kg

6 d) Mixture of cylindrical shells from calibre 60 to calibre 200 mm
This content was not tested but can be considered as positive, following the performed tests. The maximum gross weight of the box must not exceed the maximum gross weight of the box tested with the heaviest content (2b).

7 Content 2a





8 Content 2b





Content 2c





1 SHIPMENT MODALITY AND VALIDITY

The shipment modality approved for the packaging must be written on the test report. A serious Certification body shall approve packaging for all transport modalities.

2 CERTIFYING BODY OFFICIAL NAME

The test report must be printed on the Certifying Body letterhead.

3 TYPE OF CONTENT AND UN NUMBER

During checks, most inspectors will look for products description and UN numbers inside the test report (ie. *Cylindrical shells*).

4 SEALING SYSTEMS

The correct sealing system the packaging was certified with, must be written on the test report.

5 MAXIMUM WEIGHT AND QTY ALLOWED

For every content, the test report must indicate the **maximum weight** and the **maximum quantity** tested and approved. A lesser weight and/or quantity, for the same content, is allowed.

6 CONTENT MIX

Only if written on the test report, it will be possible to insert different tested contents inside the packaging.

7 PICTURES OF FIREWORKS

To show the real performance of the test and to support visually the inspectors, it is necessary that test reports must be complete with pictures.

8 PICTURE OF THE OUTER PACKAGING

This picture will help inspectors to verify if the packaging is the same as the tested prototype.

VISUAL GUIDE

CHOOSING THE RIGHT PACKAGING

Choosing the right packaging is the first step for the shipment of every kind of dangerous goods. When we deal with explosives, and particularly with fireworks, **we must pay even more attention**. Knowing the dimension of the box and the weight it was certified with, is not enough to understand if the box you wish to use is the right one to let you ship at zero risks. Follow our guide.

START FROM HERE / TO CHECK IF AND WHICH PYROBOX IS CORRECT FOR YOUR CONTENT

Check the content it was certified with

**CONTACT US
TO UNDERSTAND
HOW TO SHIP**

NO

Is your product one of these?

YES



APPROVED FOR		CALIBER		MAX	MAX GROSS WEIGHT	CLOSING SYSTEM		
MIN	MAX	TAPE	WIDTH			SYSTEM		
65	250	PP36	50 mm	250	24.5 kg		U	
60	200	PP36	50 mm	200	32.0 kg		U	
30	60	PP36	50 mm	60	26.8 kg		U	
-	-	PP36	50 mm	-	16.5 kg		U	
-	-	PP36	50 mm	-	12.9 kg		U	
		PP36	50 mm	-	32.0 kg		U	

SERpac Code: 4G-FW010-NT (neutral print)
Outer Dimensions: mm 400 x 300 x 470h
Inner Dimensions: mm 380 x 280 x 440h
Weight of a single box: kg 1.67
UN Approval: 4G (box / cardboard case)
UN Certification Mark: 4G/FW32/S/* - B/SERpac, **-20172
Content: Fireworks/ Black powder
*Year of production of packaging box
** 42 e 255

Check if for your inner packaging there is a set **range of calibres**. If it's not indicated, you should not follow this parameter.

Does your product have a calibre that stays within a range (if indicated)?

NO

**CONTACT US
TO UNDERSTAND
HOW TO SHIP**

We have certified our **Pyroboxes** for all applicable UN numbers. Here is a summary



The box is suitable, remember to check max weight allowed and sealing system before shipping

FIREWORKS (Spherical shell, cylindrical shell, shot tube, batteries (Cakes) / combination, mix, other fireworks)	UN0333 1.1 G Class	UN0334 1.2 G Class	UN0335 1.3 G Class	UN0336 1.4 G	UN0337 1.4 S Class
IGNITERS	UN0121 1.1 G Class	UN0314 1.2 G Class	UN0315 1.3 G Class	UN0325 1.4 G Class	UN0454 1.4 S Class
BLACK POWDER	UN0027 1.1 D Class	UN0028 1.1 D Class			



PYROBOXES, THE PERFECT SOLUTION FOR YOUR SHIPMENTS OF

FIREWORKS

UN0333, UN0334, UN0335,
UN0336, UN0337



IGNITERS

UN0121, UN0314, UN0315,
UN0325, UN0454



BLACK POWDER

UN0027, UN0028

DETAILS FOR PURCHASE

TYPE	SERPAC CODE	UN APPROVALS*	DIMENSIONS		QUANTITY P. PACKAGE Nº	PACKAGE FORMAT mm	QUANTITY PER PALLET Nº	PALLET FORMAT mm
			INNER mm	OUTER mm				
FW010	4G-FW010-NT	4G/Y32/S	380 x 280 x 440h	400 x 300 x 470h	15	750 x 700 x 210h	195	1400 x 800 x 1200h
FW020	4G-FW020-NT	4G/Y39.3/S	580 x 380 x 275h	600 x 400 x 305h	15	1000 x 700 x 210h	320	1400 x 1000 x 1300h
FW030	4G-FW030-NT	4G/Y64.8/S	580 x 380 x 420h	600 x 400 x 450h	15	1000 x 850 x 210h	345	1700 x 1000 x 1300h
FW040	4G-FW040-NT	4G/Y28/S	765 x 225 x 230h	780 x 240 x 260h	15	1050 x 500 x 210h	180	1200 x 950 x 1300h
FW050	4G-FW050-NT	4G/Y45.4/S	780 x 580 x 260h	800 x 600 x 290h	10	1400 x 900 x 140h	193	1400 x 900 x 1250h
FW060	4G-FW060-NT	4G/Y28.4/S	1040 x 245 x 190h	1060 x 260 x 220h	15	1350 x 500 x 210h	218	1350 x 1000 x 1200h

*ADR / RID - IMDG 6.1.3 - IATA 6.0.4.2



**CAN'T FIND THE RIGHT BOX?
WE PRODUCE IT AND WE CERTIFY IT!**



Thanks to our certified in-house laboratory, we can study, certify and produce the most suitable packaging for your needs.

CONTACT US FOR MORE INFORMATION



SERPAC CODE	4G-FW010-NT (neutral print)
OUTER DIMENSIONS	400 x 300 x 470h mm
INNER DIMENSIONS	380 x 280 x 440h mm
WEIGHT OF A SINGLE BOX	1,167 kg
UN APPROVAL	4G (box / cardboard case)
UN CERTIFICATION MARK	(H) 4G/Y32/S/* - B/SERPAC.**-200172
CONTENT	Fireworks/ Black powder

8 units per stack
on pallet 1200 x 800 mm

APPROVED FOR	CALIBER		MAX GROSS WEIGHT	CLOSING SYSTEM		
	MIN	MAX		TAPE	WIDTH	SYSTEM
Spherical shell	65	250	24.5 kg	PP36	50 mm	U
Cylindrical shell	60	200	32.0 kg	PP36	50 mm	U
Single shot (Shot tube)	30	60	26.8 kg	PP36	50 mm	U
Batteries (Cakes) / combination	-	-	16.5 kg	PP36	50 mm	U
Igniters	-	-	12.9 kg	PP36	50 mm	U
Fireworks	-	-	32.0 kg	PP36	50 mm	U
Other fireworks	-	-	27.4 kg	PP36	50 mm	U
Black powder	-	-	32.0 kg	PP36	50 mm	U

BUNDLED BOXES FOR SALE

Quantity of boxes per parcel

N° 15

Parcel format

750 x 700 x 210 h

Parcel weight

kg 17

PALLET BOXES FOR SALE

Pallet format

1400 x 800 x 1200h

Pallet weigh

kg 195

Quantity of boxes per pallet

N° 150

LABELS FOR SHIPPING**FIREWORKS**

LAB-0333-ZPE



LAB-0334-ZPE



LAB-0335-ZPE



LAB-0336-ZPE

500 pcs roll / Material PE



LAB-0337-ZPE



LAB-1143-ZPE

BLACK POWDERUN0027
BLACK POWDER
LAB-0027-ZPEUN0028
BLACK POWDER
LAB-0028-ZPE**IGNITERS**UN0121
IGNITERSUN0315
IGNITERSUN0315
IGNITERSUN0325
IGNITERS

500 pcs roll / Material PE

UN0454
IGNITERS

LAB-1143-ZPE

500 pcs roll / Material PE

ALL OUR
LABELS ARE
IN COMPLIANCE
WITH STANDARDS
REQUIRED
BY REGULATIONS

LAB-1143-ZPE



CHECK ALWAYS ON THE
TEST REPORT FOR WHICH
EXPLOSIVES AND WITH WHICH
KIND OF TAPE / CLOSURE
THE BOX IS APPROVED.

SEALING SYSTEM

Tape width 50 mm cod. T50A-102-PP

Tape width 50 mm cod. T50T-102-PP

Tape width 75 mm cod. T75A-102-PP



SYSTEM

TAPE

PP36



SERPAC CODE	4G-FW020-NT (neutral print)	4 units per stack on pallet 1200 x 800 mm
OUTER DIMENSIONS	mm 600 x 400 x 305h	
INNER DIMENSIONS	mm 580 x 380 x 275h	
WEIGHT OF A SINGLE BOX	kg 1,711	
UN APPROVAL	4G (box / cardboard case)	
UN CERTIFICATION MARK	(U) 4G/Y39.3/S/* - B/SERPAC.**-200173	
CONTENT	Fireworks	
		    

APPROVED FOR	CALIBER		MAX GROSS WEIGHT	CLOSING SYSTEM		
	MIN	MAX		TAPE	WIDTH	SYSTEM
Spherical shell	65	250	38.1 kg	PP36	50 mm	2 U
Cylindrical shell	60	200	39.0 kg	PP36	50 mm	2 U
Single shot (Shot tube)	30	60	33.2 kg	PP36	50 mm	2 U
Batteries (Cakes) / combination	-	-	23.8 kg	PP36	50 mm	U
Igniters	-	-	20.1 kg	PP36	50 mm	U
Fireworks	-	-	39.0 kg	PP36	50 mm	2 U
Other fireworks	-	-	39.3 kg	PP36	50 mm	U

SHIP SAFE THINK SERPAC! 

BUNDLED BOXES FOR SALE

Quantity of boxes per parcel	N° 15
Parcel format	1000 x 700 x 210 h
Parcel weight	kg 25,5

PALLET BOXES FOR SALE

Pallet format	1400 x 1000 x 1300h
Pallet weigh	kg 320
Quantity of boxes per pallet	N° 180

LABELS FOR SHIPPING

FIREWORKS

						500 pcs roll / Material PE
LAB-0333-ZPE	LAB-0334-ZPE	LAB-0335-ZPE	LAB-0336-ZPE	LAB-0337-ZPE	LAB-1143-ZPE	

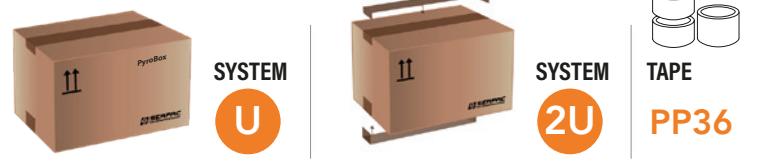
IGNITERS

						500 pcs roll / Material PE
UN0121 IGNITERS LAB-0121-ZPE	UN0315 IGNITERS LAB-0314-ZPE	UN0315 IGNITERS LAB-0315-ZPE	UN0325 IGNITERS LAB-0325-ZPE	UN0454 IGNITERS LAB-0454-ZPE	LAB-1143-ZPE	

ALL OUR LABELS ARE IN
COMPLIANCE WITH STANDARDS
REQUIRED BY REGULATIONS

SEALING SYSTEM

Tape width 50 mm	cod. T50A-102-PP
Tape width 50 mm	cod. T50T-102-PP
Tape width 75 mm	cod. T75A-102-PP





SERPAC CODE	4G-FW030-NT (neutral print)	4 units per stack on pallet 1200 x 800 mm
OUTER DIMENSIONS	mm 600 x 400 x 405h	
INNER DIMENSIONS	mm 580 x 380 x 420h	
WEIGHT OF A SINGLE BOX	kg 1,893	
UN APPROVAL	4G (box / cardboard case)	
UN CERTIFICATION MARK	(U) 4G/Y64.8/S/* - B/SERPAC**-200174	
CONTENT	Fireworks	



APPROVED FOR	CALIBER		MAX GROSS WEIGHT	CLOSING SYSTEM		
	MIN	MAX		TAPE	WIDTH	SYSTEM
Spherical shell	65	400	57.7 kg	PP36	50 mm	3 U
Cylindrical shell	60	200	64.8 kg	PP36	50 mm	2 U
Single shot (Shot tube)	30	60	45.4 kg	PP36	50 mm	3 U
Batteries (Cakes) / combination	-	-	33.5 kg	PP36	50 mm	U
Igniters	-	-	27.0 kg	PP36	50 mm	U
Fireworks	-	-	64.8 kg	PP36	50 mm	3 U
Other fireworks	-	-	51.8 kg	PP36	50 mm	2 U

BUNDLED BOXES FOR SALE		PALLET BOXES FOR SALE	
Quantity of boxes per parcel	N° 15	Pallet format	1650 x 1000 x 1300h
Parcel format	1000 x 850 x 168 h	Pallet weigh	kg 345
Parcel weight	kg 22,8	Quantity of boxes per pallet	N° 168

LABELS FOR SHIPPING

FIREWORKS					
LAB-0333-ZPE	LAB-0334-ZPE	LAB-0335-ZPE	LAB-0336-ZPE	LAB-0337-ZPE	LAB-1143-ZPE
UN0121 IGNITERS	UN0315 IGNITERS	UN0315 IGNITERS	UN0325 IGNITERS	UN0454 IGNITERS	LAB-1143-ZPE
LAB-0121-ZPE	LAB-0314-ZPE	LAB-0315-ZPE	LAB-0325-ZPE	LAB-0454-ZPE	ALL OUR LABELS ARE IN COMPLIANCE WITH STANDARDS REQUIRED BY REGULATIONS

SEALING SYSTEM					
Tape width 50 mm	Cod. T50A-102-PP		SYSTEM		SYSTEM
Tape width 50 mm	Cod. T50T-102-PP		SYSTEM		SYSTEM
Tape width 75 mm	Cod. T75A-102-PP		TAPE		PP36



SERPAC CODE	4G-FW040-NT (neutral print)
OUTER DIMENSIONS	mm 780 x 240 x 260h
INNER DIMENSIONS	mm 765 x 225 x 230h
WEIGHT OF A SINGLE BOX	kg 1,045
UN APPROVAL	4G (box / cardboard case)
UN CERTIFICATION MARK	(U) 4G/Y28/S/* - B/SERPAC.**-200175
CONTENT	Fireworks

5 units per stack
on pallet 1200 x 800 mm



APPROVED FOR	CALIBER		MAX GROSS WEIGHT	CLOSING SYSTEM		
	MIN	MAX		TAPE	WIDTH	SYSTEM
Roman candles	20	30	28 kg	PP36	50 mm	2U + 4L

SHIP SAFE THINK SERPAC! 

BUNDLED BOXES FOR SALE

Quantity of boxes per parcel	N° 10
Parcel format	1050 x 500 x 140 h
Parcel weight	kg 1,045

PALLET BOXES FOR SALE

Pallet format	1200 x 950 x 1300h
Pallet weigh	kg 197
Quantity of boxes per pallet	N° 170

LABELS FOR SHIPPING

FIREWORKS



LAB-0333-ZPE



LAB-0334-ZPE



LAB-0335-ZPE



LAB-0336-ZPE



LAB-0337-ZPE



LAB-1143-ZPE

500 pcs roll / Material PE
ALL OUR LABELS ARE IN
COMPLIANCE WITH STANDARDS
REQUIRED BY REGULATIONS.

SEALING SYSTEM

Tape width 50 mm	cod. T50A-102-PP
Tape width 50 mm	cod. T50T-102-PP
Tape width 75 mm	cod. T75A-102-PP



SYSTEM

2U + 4L



TAPE

PP36



AN UN-CERTIFIED PACKAGING, TO BE COMPLIANT WITH THE LAW, MUST ALWAYS
BE PRODUCED IN THE SAME FACTORY AND, MORE PRECISELY, WITH THE SAME
MACHINES AND PRODUCTION LINE THAT WERE CERTIFIED DURING TESTS.

 **SERPAC**[®]
FOR DANGEROUS GOODS

www.serpac.it/en/

- PACKAGINGS PRODUCED ALWAYS IN COMPLIANCE WITH THE LAW
- OUR CERTIFICATIONS DO NOT EXPIRE
- ARE VALID FOR ALL TRANSPORT MODALITIES

ADR, RID, ADN, IMDG AND ICAO-TI / IATA



SERPAC CODE	4G-FW050-NT (neutral print)
OUTER DIMENSIONS	800 x 600 x 290h mm
INNER DIMENSIONS	780 x 580 x 260h mm
WEIGHT OF A SINGLE BOX	2,230 kg
UN APPROVAL	4G (box / cardboard case)
UN CERTIFICATION MARK	⊕ 4G/Y45.4/S/* - B/SERPAC.**-200176
CONTENT	Fireworks

2 units per stack
on pallet 1200 x 800 mm



APPROVED FOR	CALIBER		MAX GROSS WEIGHT	CLOSING SYSTEM		
	MIN	MAX		TAPE	WIDTH	SYSTEM
Batteries (Cakes) / combination	-	-	45.4 kg	PP36	50 mm	2U + 4L

LABELS FOR SHIPPING

FIREWORKS



LAB-0333-ZPE



LAB-0334-ZPE



LAB-0335-ZPE



LAB-0336-ZPE



LAB-0337-ZPE



LAB-1143-ZPE

500 pcs roll / Material PE



SEALING SYSTEM

Tape width mm 50

cod. T50A-102-PP

Tape width mm 50

cod. T50T-102-PP

Tape width mm 75

cod. T75A-102-PP



SYSTEM

2U + 4L



TAPE

PP36

COUNTERFEITING AND PRODUCTION

GOING UNNOTICED IS NOT EASY

It happens quite often that the owner of the certification or the authorized producer gets to know about their own products being counterfeited. Inspectors are now used to check UN-certified packaging to verify its regularity, suitability, and safety for transportation. To do so, **inspectors will ask directly to the Certifying Body and the owner of the certification all documents about approval** (UN-certificate, pictures and inner reports), as well as proof of a smooth flow

of information between the producer and the user of the packaging about instructions of use (as requested from Regulations). **Sanctions from 500 to 10.000 euros may be given** to the party accepting goods, without verifying their legitimate origin, which may induce to think, that rules of origin or intellectual property may have been violated, because of their poor quality, or bad conditions of the Subject offering them, or of their low price.



SERPAC CODE	4G-FW060-NT (neutral print)
OUTER DIMENSIONS	1060 x 260 x 220h mm
INNER DIMENSIONS	1040 x 245 x 190h mm
WEIGHT OF A SINGLE BOX	1,329 kg
UN APPROVAL	4G (box / cardboard case)
UN CERTIFICATION MARK	⊕ 4G/Y28.4/S/** - B/SERPAC.412-200177
CONTENT	Fireworks

3 units per stack
on pallet 1200 x 800 mm



APPROVED FOR	CALIBER		MAX GROSS WEIGHT	CLOSING SYSTEM		
	MIN	MAX		TAPE	WIDTH	SYSTEM
Roman candles	20	50	28.4 kg	PP36	50 mm	U + 4L

LABELS FOR SHIPPING

FIREWORKS



LAB-0333-ZPE



LAB-0334-ZPE



LAB-0335-ZPE



LAB-0336-ZPE



LAB-0337-ZPE



LAB-1143-ZPE

500 pcs roll / Material PE



ALL OUR LABELS ARE IN
COMPLIANCE WITH STANDARDS
REQUIRED BY REGULATIONS.

SEALING SYSTEM

Tape width mm 50

cod. T50A-102-PP

Tape width mm 50

cod. T50T-102-PP

Tape width mm 75

cod. T75A-102-PP



SYSTEM

U + 4L

TAPE
PP36

THE RESPONSIBILITY OF A COUNTERFEITED PRODUCT
DOES NOT ONLY FALL ONTO THE PRODUCER, BUT ALSO ON THE USER
(AND EVEN IN A HARSHER WAY IF THE USER IS ALSO
THE CONTRACTOR OF THE PACKAGING)

**CHECK ALWAYS ON THE TEST REPORT FOR WHICH EXPLOSIVES AND WITH WHICH KIND
OF TAPE / CLOSURE IS APPROVED THE BOX.
DON'T RISK, SHIP SAFELY**

PACKAGES / VISUAL GUIDE TO SIGNALS AND USAGE

CARGO AIRCRAFT ONLY

For shipments allowed only on cargo aircrafts
120 x 110 mm



ORIENTATION ARROWS

Optionals



SHIPPER'S COMPLETE ADDRESS

Required for IATA only



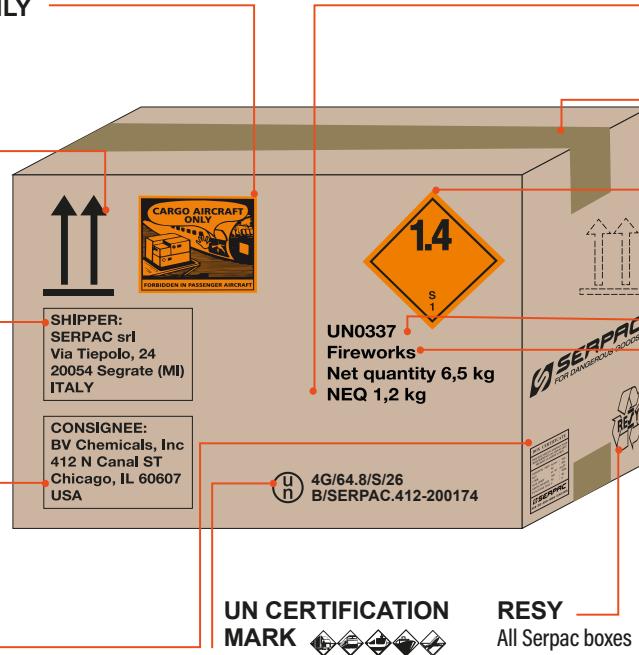
CONSIGNEE'S COMPLETE ADDRESS

Required for IATA only



BOX CERTIFICATE

A mark specifying the technical features of the box and a reference of the producer



NET QUANTITY AND NEQ

(net mass of explosive matter)
Required for IATA only



SEALING SYSTEM

Verify on the test report

LABEL

100 x 100 mm



UN NUMBER

Until 30 kg: min. height 6 mm
Over 30 kg: min. height 12 mm



PROPER SHIPPING NAME

ADR - RID - ADN: in one or more languages, one of which must be

French, German or English

IMDG - IATA: In English



VEHICLES (ADR) / VISUAL GUIDE FOR PLACARDING AND MARKING



PLACARDS

- Min dimensions 250x250 mm
- They must be put on two opposite sides and on the back.
- They are not required for the transport of 1.4S.
- Compatibility groups must not be indicated when the vehicle contains matters or goods belonging to more than one compatibility group.
- To transport goods belonging to more than one division, apply the signal of the most dangerous one according to the following order:

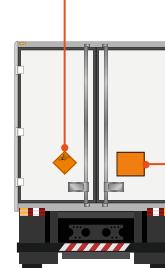


Most dangerous

Less dangerous

PERSONAL AND VEHICLE EQUIPMENT

- Every member of the crew must carry functioning PPEs in compliance with the law.
- Other tools of equipment for the safety of the vehicle and the environment must also be on the transport mean, as well as the fire extinguishers necessary for different transport units.



ORANGE PANELS

400x300 mm.
Just in some specific cases it can be reduced to 300x120 mm.

INSTRUCTIONS IN WRITING

- Every member of the crew must carry instructions in writing.
- They must be written in a language this person can understand.

OVERPACKS / VISUAL GUIDE TO SIGNALS AND USAGE

UN NUMBER

Until 30 kg: min. height 6 mm
Over 30 kg: min. height 12 mm



PROPER SHIPPING NAME

ADR - RID - ADN: In one or more languages, one of which must be French, German or English

IMDG - IATA: In English



OVERPACK MARK

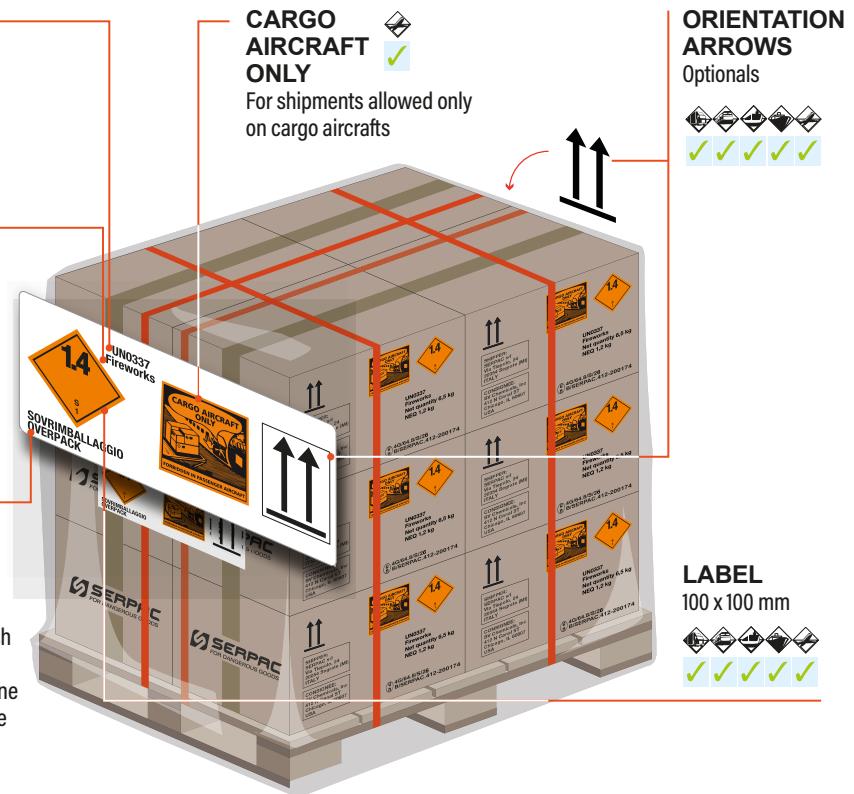
Min. height 12 mm



ADR - RID - ADN: In one or more languages, one of which must be French, German or English

IMDG: in English

IATA: In English, and in the case of more than one overpack, you must apply an identification code (ie. No 1)

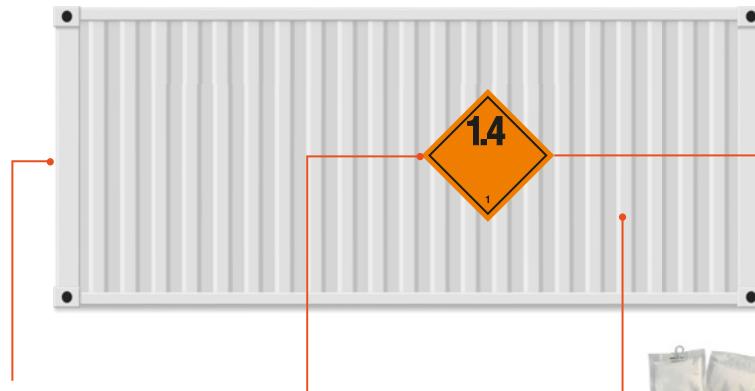


ORIENTATION ARROWS

Optionals



CONTAINER (ADR / IMDG) / VISUAL GUIDE TO SIGNALS AND USAGE



DANGER PLACARDS

- Min dimensions 250x250 mm
- They must be put on two opposite sides and on the back.
- They are not required for the transport of 1.4S.
- Compatibility groups must not be indicated when the vehicle contains matters or goods belonging to more than one compatibility group.
- To transport goods belonging to more than one division, apply the signal of the most dangerous one according to the following order:

1.1	1.5	1.2	1.3	1.6	1.4
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Most dangerous

Less dangerous



SEALS

Proper seals must be used for safe and compliant sealing of containers.



DEHYDRATING PRODUCTS

To protect explosives, it is better to insert inside your containers some dehydrating products that can absorb humidity.



DO YOU USE DRONES

CHOOSE THE MOST SUITABLE COMPLIANT PACKAGING

Drones packed with lithium ion batteries ≤ 100 Wh - UN3481



For this type of battery, when packed with the device ("packed with"), **the package is required to pass a 1.2 m drop test**. These tests must be documented and filed.



Depending on your needs, you can choose between two different solutions.

A

OUT-OF-THE-BOX SOLUTION

We can **identify among our packaging** or make your own **custom packaging** while also taking care of tests and documentation to provide you with an out-of-the-box solution!



B

DO YOU ALREADY HAVE SUITABLE PACKAGING? WE CERTIFY IT

If you already have suitable packaging, **we can perform the tests** required by regulations and provide you with the **final certification** for "excepted" drone shipping.



**REMEMBER TO PROPERLY LABEL
AND MARK PACKAGES WITH PRODUCTS
THAT COMPLY WITH REGULATIONS**

Visit our website or contact us

www.serpac.it/en/

FOR YOUR SHOWS?

SOLUTION AND SHIP YOUR DRONES ALL OVER THE WORLD

Drones packed with lithium ion batteries > 100 Wh - UN3481



In this case, the battery or container containing drone and battery must be placed inside a **UN certified packaging** specifically for lithium batteries.



Depending on your needs, you can choose between two different solutions.

A

CHOOSE OUR CERTIFIED BOXES

Use our **UN 4G certified boxes** for different lithium batteries.
Boxes supplied with the specific **foam kit**.



B

COULDN'T FIND THE RIGHT APPROVED PACKAGING?

Contact us, **we will find the suitable solution** together based on the characteristics of your specific drone. We can also custom **shape the foam** to ensure maximum protection.



**DO YOUR DRONES HAVE UNTESTED 38.3 PROTOTYPE BATTERIES?
OR ARE THE BATTERIES DEFECTIVE/DAMAGED AND YOU NEED
TO SEND THEM TO THE SUPPLIER FOR SERVICE?**

Contact us and we will give you a suitable solution so you can ship in compliance.

Call us at (+39) 02 218 71 585 / (+39) 02 455 06 456 or write at sales@serpac.it

**SHIP SAFE
THINK SERPAC!**



IMDG/IMO



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FOR DANGEROUS GOODS
www.serpac.it/en/

Via Campania 6 - 20054 Segrate - Milan (Italy)
C.F. / P.IVA 05083510965



MEB-G001-A26

CONTACTS

Ph. +39 (0) 2 218 71 585

Ph. +39 (0) 2 455 06 456

Fax +39 (0) 2 269 52 031

email: sales@serpac.it



EMERGENCY LINE

Mobile +39 334 673 64 62