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# **CATALOG** 4G PYROBOXES

**FEBRUARY 2026**



# LET THE SHOW BEGIN!

UN CERTIFIED >> 4G PYROBOXES



F O R D I F F E R E N T F I R E W O R K S

# 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

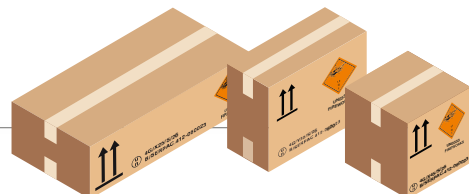
- Our certifications do not expire
- Are valid for all transport modalities ADR, RID, ADN, IMDG and ICAO-TI / IATA
- Are done specifically on your inner packaging



### 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 N° 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.

- Tape closing model of the box: 'U'

a) 134 x cylindrical shell of calibre 60 mm

- Diameter x length: ± 60 x 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**

b) 24 x cylindrical shell of calibre 100 mm

- Diameter x length: ± 100 x 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: ± 200 x 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).

**2**

**3**

**4**

**5**

Content 2a  
  
Content 2b  
  
Content 2c

**7**

**8**

## 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.

Don't risk blowing your show up, contact us!

Certified 4G Pyroboxes

3

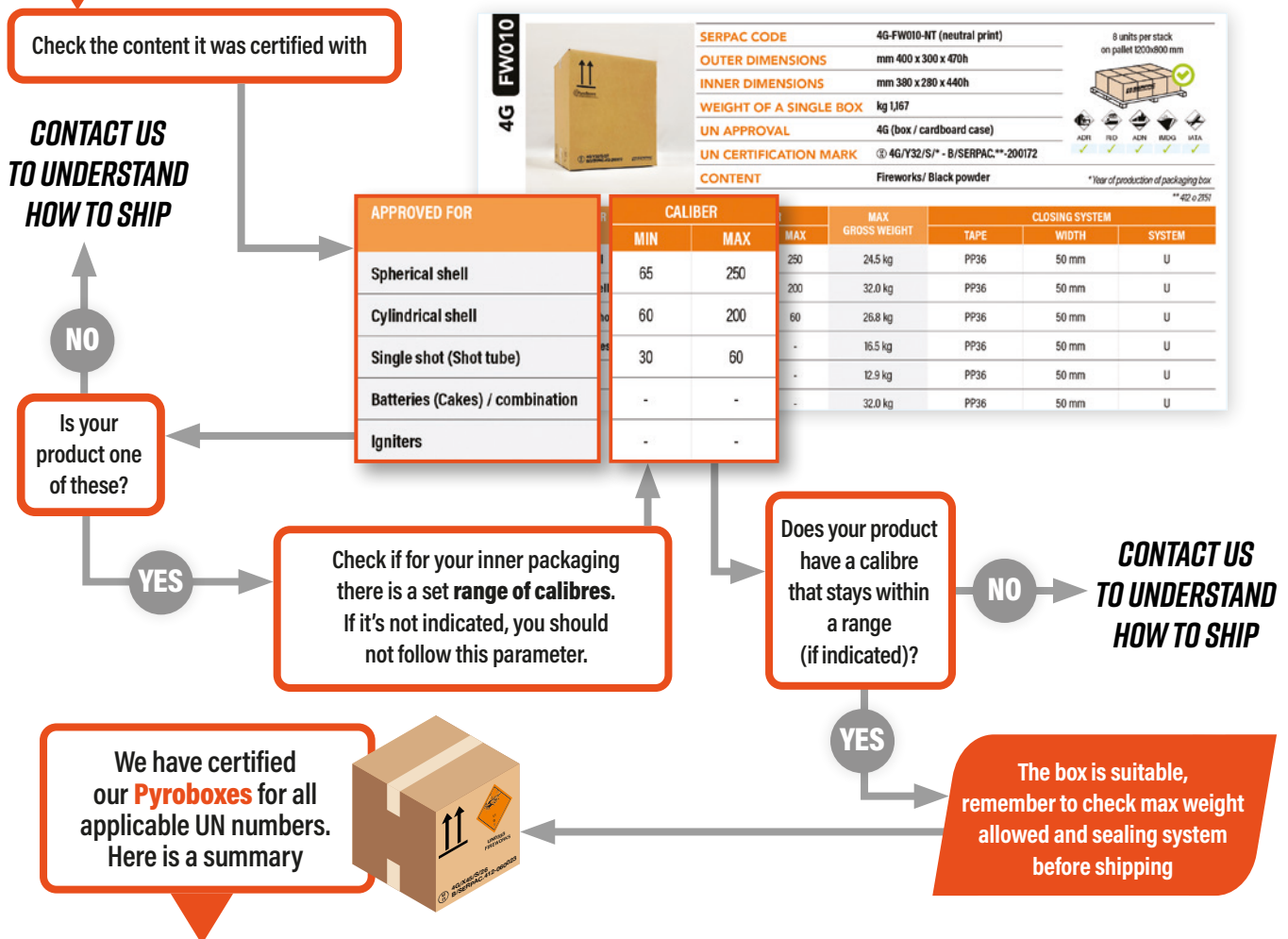


## VISUAL GUIDE

# 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



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



**PyroBoxes**  
PACKAGINGS APPROVED TO SHIP  
DIFFERENT FIREWORKS AND IGNITERS

## 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 N°	PACKAGE FORMAT mm	QUANTITY PER PALLET N°	PALLET FORMAT mm
			INNER mm	OUTER mm				
<b>FW010</b>	<b>4G-FW010-NT</b>	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
<b>FW020</b>	<b>4G-FW020-NT</b>	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
<b>FW030</b>	<b>4G-FW030-NT</b>	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
<b>FW040</b>	<b>4G-FW040-NT</b>	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
<b>FW050</b>	<b>4G-FW050-NT</b>	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
<b>FW060</b>	<b>4G-FW060-NT</b>	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**



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



LAB-0337-ZPE

500 pcs roll / Material PE



LAB-1143-ZPE

**BLACK POWDER**UN0027  
BLACK POWDER  
LAB-0027-ZPEUN0028  
BLACK POWDER  
LAB-0028-ZPE**IGNITERS**UN0121  
IGNITERS  
LAB-0121-ZPEUN0315  
IGNITERS  
LAB-0314-ZPEUN0315  
IGNITERS  
LAB-0315-ZPEUN0325  
IGNITERS  
LAB-0325-ZPEUN0454  
IGNITERS  
LAB-0454-ZPE

500 pcs roll / Material PE



LAB-1143-ZPE

500 pcs roll / Material PE



LAB-1143-ZPE

ALL OUR  
LABELS ARE  
IN COMPLIANCE  
WITH STANDARDS  
REQUIRED  
BY REGULATIONS

**CHECK ALWAYS ON THE  
TEST REPORT FOR 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****U****TAPE****PP36**



4G FW020

\* Year of production of packaging box \*\* 412 o 2151



SERPAC CODE	4G-FW020-NT (neutral print)
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	4G/Y39.3/S/* - B/SERPAC.**-200173
CONTENT	Fireworks

4 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	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

SYSTEM **U**

SYSTEM **2U**

TAPE **PP36**





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

4 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	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

Quantity of boxes per parcel	N° 15
Parcel format	1000 x 850 x 168 h
Parcel weight	kg 22,8

#### PALLET BOXES FOR SALE

Pallet format	1650 x 1000 x 1300h
Pallet weigh	kg 345
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

500 pcs roll / Material PE



### IGNITERS

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

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

U



SYSTEM

2U



SYSTEM

3U



TAPE

PP36

	<b>SERPAC CODE</b>	4G-FW040-NT (neutral print)	5 units per stack on pallet 1200 x 800 mm 
	<b>OUTER DIMENSIONS</b>	mm 780 x 240 x 260h	
	<b>INNER DIMENSIONS</b>	mm 765 x 225 x 230h	
	<b>WEIGHT OF A SINGLE BOX</b>	kg 1,045	
	<b>UN APPROVAL</b>	4G (box / cardboard case)	
	<b>UN CERTIFICATION MARK</b>	Ⓜ 4G/Y28/S/* - B/SERPAC.**-200175	
	<b>CONTENT</b>	Fireworks	

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		PALLET BOXES FOR SALE	
Quantity of boxes per parcel	N° 10	Pallet format	1200 x 950 x 1300h
Parcel format	1050 x 500 x 140 h	Pallet weigh	kg 197
Parcel weight	kg 1,045	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.



[www.serpac.it/en/](http://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



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



4G FW060

\* Year of production of packaging box \*\* 412 o 2151



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

500 pcs roll / Material PE



LAB-1143-ZPE



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 aircraft  
120 x 110 mm

## ORIENTATION ARROWS

Optionals

## SHIPPER'S COMPLETE ADDRESS

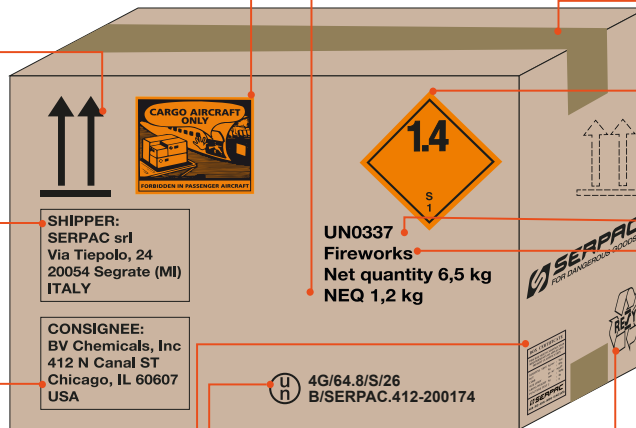
Required for IATA only

## 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

## UN CERTIFICATION MARK

## RESY

All Serpac boxes have this mark guaranteeing they are recyclable

# 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:

1.1 1.5 1.2 1.3 1.6 1.4

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.

**INSTRUCTIONS IN WRITING**

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

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

# 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)

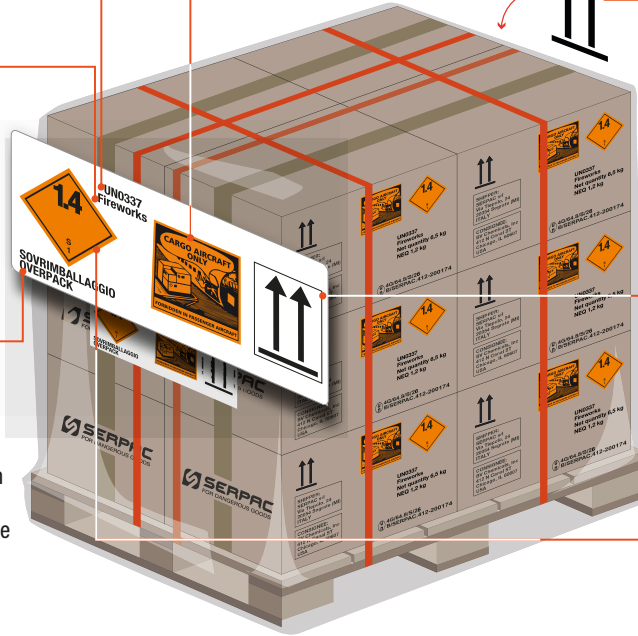
## CARGO AIRCRAFT ONLY

For shipments allowed only on cargo aircraft



## ORIENTATION ARROWS

Optionals

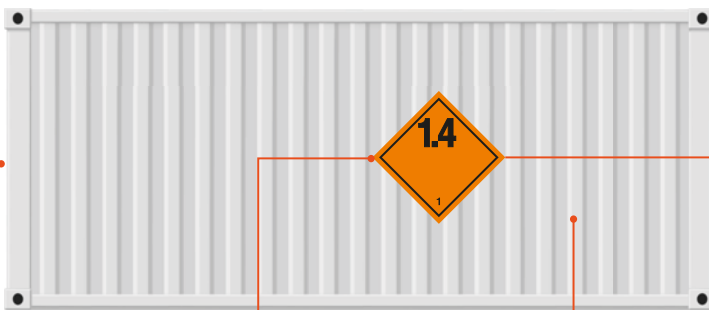


## LABEL

100 x 100 mm

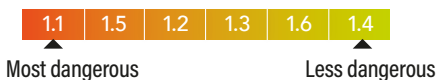


# CONTAINER (ADR / IMDG) / VISUAL GUIDE TO SIGNALS AND USAGE



## 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:



## DEHYDRATING PRODUCTS

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

## SEALS

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





# DO YOU USE DRONES

## CHOOSE THE MOST SUITABLE COMPLIANT PACKAGING

### Drones packed with lithium ion batteries $\leq 100$ 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/](http://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](mailto:sales@serpac.it)



**SHIP SAFE  
THINK SERPAC!**



**IMDG/IMO**



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