

# **PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET2728A**


HOLDER OF CERTIFICATE:  
**Nammo Raufoss AS**

**MANUFACTURER:** Nefab Production Runemo AB, Nordgrens väg 5, SE-822 81 Alfta, Sweden

## **MARKING ON PACKAGING:**

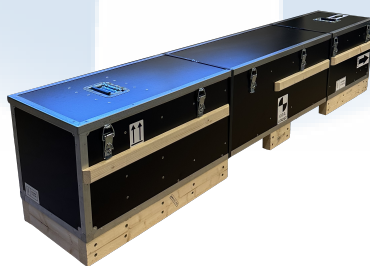
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.

 **4D/Y245/S/YR/N/NET2728A - ID**

	: The United Nations symbol
4D	: Plywood boxes
Y245	: Packaging group II, and max gross mass in kg
S	: Intended for carriage of solids
YR	: To be replaced with the year (last two digits) of manufacture
N	: Norway, the state authorizing the allocation of the mark
NET2728A - ID	: Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

## **PRODUCT:**

Description/ Method of manufacture	Material/ thickness
Plywood box made of coated plywood equipped with galvanized steel profiles, integrated pallet suitable for mechanical handling. Every edge of the box are retrieved together with steel profiles. The integrated pallet is attached to the box with wood screws.	7 layers of plywood, thickness 9 mm

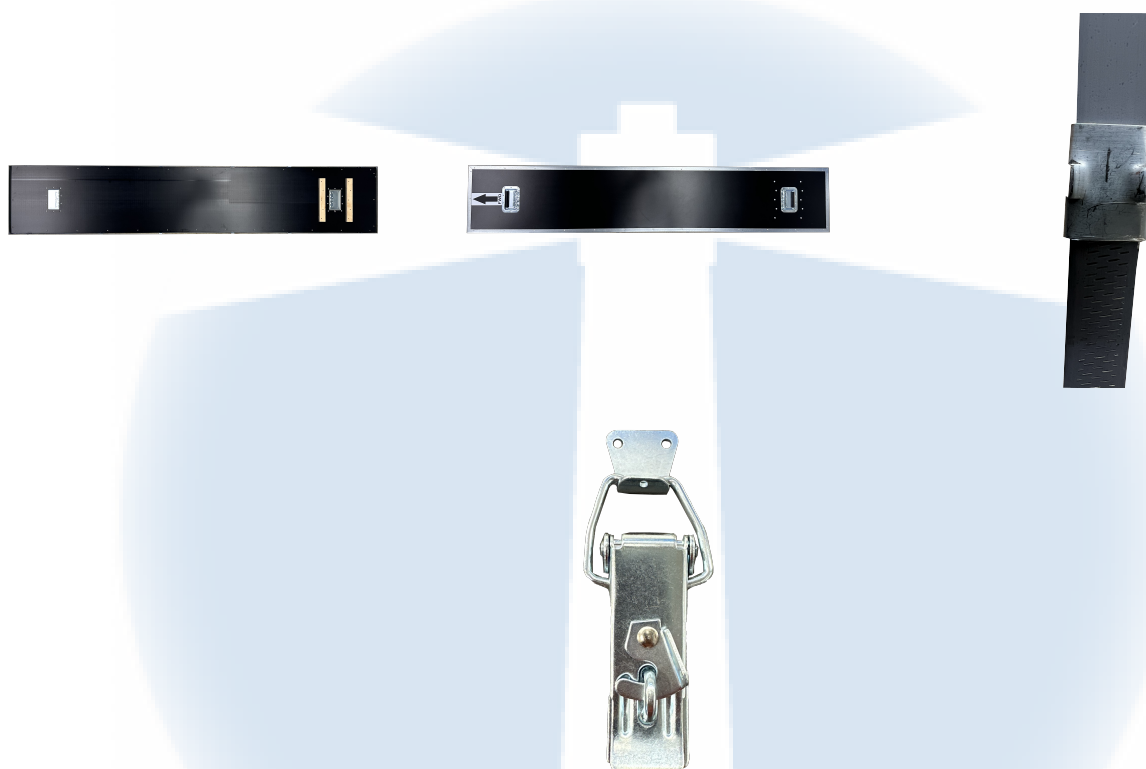


## **DIMENSIONS:**

Volume, l	L*W*H, mm	Explosive approved	Drawing
330	2250*384*382	Yes	355017-0000 rev. D, sheet 1-3

**CLOSING MECHANISM:**

Closure type	Producer	Drawings/ Description	Material
Lid with 12 hinges in steel	Nefab Production Runemo	355017-0000 rev. D, sheet 1-2	Plywood 7 layers, details in report
Steel strapping with lap over seal, 16 * 0.5 mm	Any	Steel strapping, two in total, according to Nammo drawing	Steel


**INTERIOR:**

Type	Drawing
According to Nammos drawing	355017-0000 Rev.D sheet 3

**LEGISLATION:**

NET issues the certification on described product according to delegated authority from Norwegian NET issues the certification on described product according to delegated authority from Norwegian Directorate for Civil Protection and Emergency Planning (DSB): Legal regulations for Transportation of Dangerous Goods on road and railway - 06/6950-7/BJRU.

NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.

NET issues the certification on described product according to an agreement between Norwegian Civil Aviation Authority (Luftfartstilsynet) - 01.03.18 - 18/00114-8.

**REGULATIONS BASED UPON FOR APPROVAL:**

UN Recommendations on the Transport of Dangerous Goods.

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID, International Regulations on Transport of Dangerous Goods by Rail.

IMDG, International Maritime Dangerous Goods Code, for sea transport.

ICAO, Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IATA, Dangerous Goods Regulations, for the air transport.

**TESTS CARRIED OUT:**

Prototype tests performed and approved according to the above regulations:

6.1.5.3 Drop test

6.1.5.6 Stacking test

**APPROVAL IS VALID FOR:**

The packaging shall always be used according to the requirement of the applicable UN-code and its packaging instruction.

Content
UN0281 Rocket motors according to packaging instruction

**DOCUMENTS BASED UPON FOR APPROVAL:**

Report id.	Date	Issued by	Scope
NET2728A	13.12.2022	NET	Type approval
NET2728A2	20.12.2022	NET	Additional type test, increased MBM

**VALIDITY:**

The continued validity of the type approval requires that the holder of the certificate and/ or the manufacturer inform NET certification that has approved its type of packaging of any changes to the characteristics of the type or anything that can influence on the transport safety on the specific design so that it can be verified that the type of packaging continues to comply with packaging tested as base for the original type approval.

The validity of the type approval assume regular verification by means of periodic audits by NET in accordance with NET Doc 2: "Production control agreement". The packaging shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.

**TEST STANDARD:**

All tests are performed in accordance with NET accredited test method ATM001. The test method is accredited in accordance with ISO17025 approved by Norsk Akkreditering and based upon ISO16495.



BREVIK, NORWAY

**04.01.2023** CERTIFICATE IS VALID UNTIL:

**31.12.2027**



Mathias Werner  
Certification Officer



Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing Certification*