

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET16703E**

HOLDER OF CERTIFICATE:
BMW Group GmbH

3086 kg max



MANUFACTURER:

STRUMET Metal Products Plant Sp. z o. o., ul. Ks.
Londzina 61, 43-246 Strumien, POLAND

MARKING ON PACKAGING:

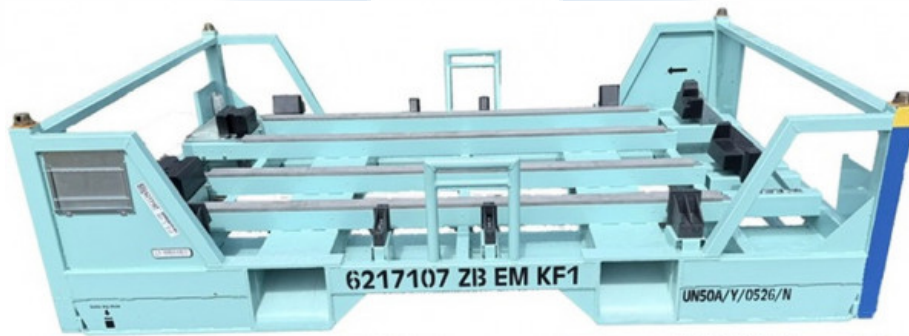
Each packaging intended for use under ADR must bear markings that are durable, legible, and placed in a location where they are easily visible. Letters, numerals, and symbols must be at least 12 mm in height. Each large packaging (LP) must also be marked with the maximum permitted stacking load, in accordance with ADR 6.6.3.3.1 (as shown in the figure to the right).

50A/Y/MMYY/N
NET16703E - ID/5556/997

- : The United Nations symbol
- 50A : Large packaging, steel
- Y : Packaging group II
- MMYY : To be replaced with the month and year (last two digits) of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET16703E - ID : Identification of the LP followed by "ID" to be replaced by the name or symbol of the manufacturer
- 5556 : The stacking test load in kg
- 997 : The maximum permissible gross mass in kg

PRODUCT:

Description/ Material/ Method of manufacture	Drawing
A welded steel frame, primarily constructed from 40 and 60 mm square tubes, equipped with various 'cushions' to protect the battery from damage that may be caused by movement within the packaging.	6217107 ZB EM KF1 KE1



DIMENSIONS:

Packaging weight, kg	External dimensions: L*W*H, m	Internal dimensions: L*W*H, mm	Min. wall thickness, mm
390/2024	2400*1670*670	2270*1590*561	NA

SAFETY PARTS:

Pillows
A total of thirteen cushioning components are used to absorb shocks and prevent battery movement within the packaging during transport. These consist of two spring-loaded cushions made of plastic material, mounted on plastic brackets, and eleven rubber cushions, of which nine are mounted on plastic brackets and two are mounted on steel brackets. Detailed drawings and material specifications are included in the report, NET16703E.

LEGISLATION:

NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.

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.

REGULATORY BASIS 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:

- 6.6.5.3.1 Bottom lift test
- 6.6.5.3.3 Stacking test
- 6.6.5.3.4 Drop test

APPROVAL IS VALID FOR:

The packaging shall always be used according to the requirement of the applicable UN-code and its packaging instruction; LP903.

Approved Contents	Battery Dimensions, mm	Max. battery weight, kg
UN3480, Lithium ion battery: BMW Germany UKL Modul	1990*1420*293	504
UN3480, Lithium ion battery: BMW Germany KKL Modul	2068*1420*293	605

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET16703E	29.05.2026	NET	Type approval

VALIDITY:

This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.

The certificate may be withdrawn at any time.

The published version on www.net17025.com/Sertifisering/UN_ADR/cid/30758/ shall always be considered the valid one.

The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.

Continued validity requires 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 programme meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

TEST STANDARD:

All tests are performed in accordance with NET accredited test method ATM001.


The test method is accredited in accordance with NS-EN ISO/IEC 17025:2017 approved by Norsk Akkreditering and according to NS-EN ISO 16495:2022.



BREVIK, NORWAY

29.05.2026

CERTIFICATE IS VALID UNTIL:

31.05.2031

Anita Gusfre Thoner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification