

**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET3230C**


HOLDER OF CERTIFICATE:
DS Smith Packaging Sweden AB

MANUFACTURER: DS Smith Packaging Sweden AB, Bangårdsgatan 2-4, SE-331 26
Värnamo, SWEDEN

MARKING ON PACKAGING:

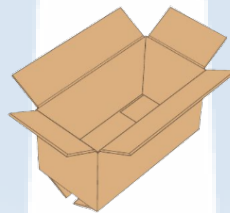
Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high.

 **4G/YKG/S/YR/N/NET3230C - ID**

-  : The United Nations symbol
- 4G : Fibreboard boxes
- YKG : Packaging group II and III, max gross mass in kg
- S : Intended for carriage of inner packagings, see content table
- YR : To be replaced with the year (last two digits) of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET3230C - ID : Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

PRODUCT:

Description	Manufacturer´s joint	Material
FEFCO 0201	Glued	Corrugated fibreboard, doublewall board, details in report

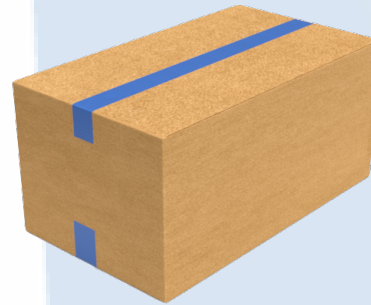


DIMENSIONS:

#: Volume, l	L*W*H, mm	Drawing	Explosive approved	Pressure tested
1: 29.1	380*260*295	FPS102257	No	Yes
2: 24.1	335*252*285	FPS103360	No	Yes
3: 30.1	380*260*305	V2253811	No	Yes
4: 10.1	236*166*258	V7330311	No	Yes
5: 15.8	334*199*237	SD03751	No	Yes
6: 23.5	385*198*308	SD03749	No	Yes

CLOSING MECHANISM:

#: Closure type	Producer	Dimensions, mm	Material
1:Tape: "U" - pattern 120 mm over the edge	ETAB	50	ETAB Glass fibre, cross armed
2:Tape: "U" - pattern 120 mm over the edge	ETAB	50	ETAB Glass fibre, cross armed
3:Tape: "U" - pattern 100 mm over the edge	ETAB	50	ETAB Glass fibre, cross armed
4:Tape: "U" - pattern 40 mm over the edge	Scotch	50	Scotch tape 3789
5:Tape: "U" - pattern 50 mm over the edge	ETAB	50	ETAB Glass fibre, cross armed
6:Tape: "U" - pattern 50 mm over the edge	ETAB	50	ETAB Glass fibre, cross armed


INNER PACKAGING:

#: Type	Producer	Drawing	Material
1: 4 x 5 liter, plastic jerrican	Emballator Mellerud Plast AB	-	HDPE
1: Screw cap 40mm	Emballator Växjöplast AB	-	HDPE
2: 12 x 1 liter, plastic bottle	Emballator Mellerud Plast AB	-	HDPE
2: Screw cap 28mm	Emballator Växjöplast AB	-	HDPE
3: 4 x 4 liter, plastic jerrican (packed with styrofoam)	Berry Packaging Norway AS, Kambo	-	HDPE
3: Screw cap 22mm	GL production	-	HDPE
4: 5 x 1 liter, plastic bottle (packed with vermiculite and liner)	Vorcalator	-	PET
4: Screw cap 28mm	Unknown	-	HDPE
5: 3 x 3 liter, plastic jerrican	Emballator Mellerud Plast AB	NET0106A	HDPE
5: Screw cap, 40 mm	Modulpac AB	40BPP	HDPE
6: 3 x 5 liter, plastic jerrican	Berry Packaging Norway AS, Kambo	NET0211D	HDPE

6: Screw cap, 40 mm	Modulpac AB	40BPP	HDPE
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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:

6.1.5.2.3 Preparation of packaging, relativ humidity

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	Max gross mass in packaging group I, kg	Max gross mass in packaging group II, kg	Max gross mass in packaging group III, kg
1: Liquid in innerpackaging	-	23	-
2: Liquid in innerpackaging	-	17	-
3: Liquid in innerpackaging (packed with styrofoam)	-	22	-
4: Liquid in innerpackaging (packed with vermiculite and liner)	-	7	-
5: Liquid in innerpackaging	-	14	-
6: Liquid in innerpackaging	-	22	-

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
P401592-12	17.08.2004	SP	Type approval #2
P401592-9	17.08.2004	SP	Type approval #1
P401592-10	07.01.2008	SP	Type approval #3
P800635	28.02.2008	SP	Type approval #4
NET32TE02	22.09.2011	NET	Technical evaluation
NET32TE44	17.09.2020	NET	Technical evaluation
NET3230C#5	23.12.21	NET	Type approval
NET3230C#6	23.12.21	NET	Type approval

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

14.01.2022 CERTIFICATE IS VALID UNTIL:

31.01.2027



Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification