



PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET3221C

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:

 **4G/XKG YKG/S/YR/N/NET3221C - ID**

"YR" to be replaced with the two last digits of the year.

"ID" to be replaced by any identification as decided by the manufacturer.

"KG" to be replaced with maximum gross weight of packaging group I and II.

PRODUCT:

Packaging code	Description	Product identification	Material
4G fibreboard boxes	Design: 0201	Fibreboard box with or without inner packaging	Details in report



DIMENSIONS:

Packaging #	Packaging group / Max gross weight	Length, mm	Width, mm	Height, mm
1	I: 26 kg, II:50 kg	785	585	600
2	II: 30 kg	785	240	400
3	II: 25 kg	600	320	240
4	II: 70 kg	500	500	500
5	I: 35 kg, II:45 kg	400	300	400
6	II: 34 kg	400	300	400
7	II: 38 kg	475	285	250
8	II: 15 kg	200	190	150
9	II: 25 kg	367	343	300
10	II: 25 kg	850	250	250
11	II: 25 kg	280	190	225
12	II: 18 kg	520	110	120

13	I: 21 kg	360	190	205
14	II: 22 kg	285	190	205
15	II: 18 kg	250	190	205
16	II: 28 kg	367	197	219
17	I: 5 kg	160	160	260
18	II: 4.4 kg	160	160	260
19	I: 2 kg, II: 3 kg	180	180	85
20	I: 5 kg, II: 6 kg	190	190	190
21	I: 12 kg, II: 19 kg	220	190	380
22	I: 9 kg, II: 11 kg	250	170	280
23	II: 20 kg	250	190	205
24	I: 12 kg	270	200	300
25	I: 9 kg, II: 20 kg	290	250	170
26	I: 15 kg, II: 25 kg	290	235	305
27	II: 22 kg	290	235	305
28	I: 6 kg, II: 10 kg	295	235	135
29	II: 19 kg	300	243	150
30	II: 23 kg	318	238	305
31	I: 16 kg, II: 26 kg	326	236	232
32	II: 23 kg	345	295	170
33	II: 18 kg	345	295	170
34	I: 21 kg, II: 31 kg	380	260	295
35	II: 25 kg	380	260	295
36	I: 22 kg, 2: 33 kg	380	260	315
37	II: 35 kg	383	223	400
38	II: 28 kg	383	223	400
39	II: 30 kg	420	310	307
40	II: 40 kg	430	430	320
41	II: 23 kg	440	220	230
42	II: 26 kg	440	220	320
43	II: 25 kg	475	285	202
44	II: 33 kg	475	285	212
45	II: 43 kg	475	475	340
46	II: 20 kg	510	210	310
47	II: 20 kg	510	410	220
48	II: 22 kg	510	410	310
49	II: 23 kg	550	400	300
50	II: 19 kg	580	320	235
51	II: 17 kg	585	260	150
52	II: 20 kg	590	300	255
53	II: 20 kg	600	320	240
54	II: 20 kg	700	260	230
55	I: 9 kg, II: 27 kg	750	500	266
56	II: 17 kg	330	280	170
57	I: 7 kg, II: 14 kg	410	410	470
58	II: 17 kg	420	275	280

59	II: 14 kg	320	130	150
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CLOSING MECHANISM:

Closure type	Product identification	Packaging #
Tape	Glasfibre reinforced, 50 mm, Eurocol 75003016	1-8, 10-59
Staples	J.K 561/18, 32 mm	9

INNERPACKAGING:

Type of packaging	Producer / Distributor	Thickness at least	Tear resistance at least, MD/TD	Seal strengt at least	Packaging #
Plastic bag where the size adjusts the current outer packaging	Any	47 µm	2.5 / 8.7 N	11 MPa	1-6, 11-15, 17-59
Cardboard box designed to fit each content and outer packaging	Nammo	-	-	-	8
Cardboard box designed to fit each content and outer packaging	Hanson Pyrotech	-	-	-	7, 29, 44, 45, 47, 53, 56

APPROVAL:

The certificate is valid for a maximum of five years, provided no modifications have been made to the packaging design, materials, dimensions, closure system or manner of construction. To ensure validation of the certificate, check the NET website.

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.

COTIF, Convention concerning International Carriage 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.

APPROVAL IS VALID FOR:

The packaging is valid for packaging group I, II and III containing solid substances that do not adversely affect the packaging materials.

Content	Packaging #	Explosive judgement
Solids	1,2,3,4,6,11,12,18,21,27,28,30,33,35,38,39,42,43,50,57,58	Yes
Solids	5,13,14,15,17,19,20,22,23,24,25,26,31,32,34,36,37,40,41,46,48,49,51,52,54,55	No
UN0503, SAFETY DEVICES, PYROTECHNIC	9	Yes
UN3164, ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC	10	Yes
UN2797, BATTERY FLUID, ALKALI	16	No
UN0012, CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	59	Yes
UN0403, FLARES, AERIAL	53	Yes
UN0339, CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	8	Yes
UN0373, SIGNAL DEVICES, HAND	29, 56	Yes
UN0195, SIGNALS, DISTRES	7, 45	Yes
UN0186, ROCKET MOTORS	7	Yes
UN0506, SIGNALS, DISTRES	53	Yes
UN0453, ROCKETS, LINE-THROWING	53	Yes
UN0197, SIGNALS, SMOKE	44, 45, 47	Yes
UN0507, SIGNALS, SMOKE	47	Yes
UN0240, ROCKETS, LINE-THROWING	29, 45	Yes

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET32TE32	25.03.2019	NET	Technical evaluation
NET3221C#5	04.04.2019	NET	Type approval
NET3221C2#34	05.01.2019	NET	Type approval

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.



PORSRUNN, NORWAY

25.08.2020 CERTIFICATE IS VALID UNTIL:**31.08.2025**

Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification

