



# **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 |

**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:**

| Plastic bag                            | Producer | Thickness at least | Tear resistance at least, MD/TD | Seal strengt at least | Packaging #       |
|----------------------------------------|----------|--------------------|---------------------------------|-----------------------|-------------------|
| The size adjusts the current packaging | Any      | 47 µm              | 2.5 / 8.7 N                     | 11 MPa                | 1-8, 11-15, 17-59 |

**DIMENSIONS:**

| Packaging # | Packaging group / Max gross weight | Lenght, mm | Width, mm | Heigth, 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 |

#### 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 |
|---------|---------------------------------------------------------------------------------|---------------------|
| Solid   | 1,2,3,4,6,7,8,11,12,18,21,27,28,29,30,33,35,38,39,42,43,44,45,47,50,53,56,57,58 | Yes                 |
| Solid   | 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  | 9                                                                               | Yes                 |
| UN3164  | 10                                                                              | Yes                 |
| UN2797  | 16                                                                              | No                  |
| UN0012  | 59                                                                              | 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

04.04.2019 CERTIFICATE IS VALID UNTIL:

30.04.2024



Geir Morten Johansen  
Certification Officer



Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing AS Certification*