

Appendix_Packing

Standards for packing, marking and packaging

TABLE OF CONTENTS

1.	Definitions.....	3
2.	Delivery	3
2.1.	Packing	3
2.2.	Pallet size	4
2.3.	Marking	4
2.3.1.	Goods	5
2.3.2.	Boxes.....	5
2.3.3.	Pallets/Parcels	6
3.	Sustainability requirements	6
3.1.	General sustainability principles for packaging	6
3.2.	Sustainability requirements for packaging	6
3.3.	Sustainability requirements for types of material	7
3.3.1.	Cardboard and cardboard packaging	7
3.3.2.	Filling.....	7
3.3.3.	Plastic.....	7
3.4.	Documentation, control and exemptions to the sustainability requirements	8

1. DEFINITIONS

"Primary Packaging": The packaging that is in direct contact with the product and that is necessary to protect and contain the product (e.g. the product's sales packaging).

"Secondary Packaging": Packaging that encloses one or more Primary Packaging and that is typically used for grouping or additional protection (e.g. a cardboard box).

"Tertiary Packaging": Packaging used for transport and handling of large units of Secondary Packaging (e.g. pallet packaging).

"SIOC" (Ships in Own Container): Shipments where the product's Primary packaging serves as the shipping packaging, without any additional Secondary or Tertiary Packaging.

2. DELIVERY

The Supplier shall include correct documentation for each individual item in the shipment.

2.1. Packing

The Supplier undertakes to comply with the following instructions:

- Information about parcels/packing shall be sent to [\[FMI-KTP-SC-MUND@MIL.DK\]](mailto:FMI-KTP-SC-MUND@MIL.DK) [\[FMI-KTP-SC-PACK@MIL.DK\]](mailto:FMI-KTP-SC-PACK@MIL.DK) prior to shipment if the delivered goods:
 - exceed the surface area of a EUR-EPAL (Figure 1).
 - Require special handling or specific storage requirements.
- All necessary documents shall be easily accessible on the pallet without breaking the outer packaging, including, for example:
 - Purchase order from DALO.
 - Manifest/delivery note.
 - ADR/IATA/ICAO.
 - Packing instructions
 - Handling instructions.
 - Instructions and customs documents (if necessary).
- All types of boxes, crates, cases, etc., shall be marked with handling instructions. For example: "This side up", "fragile", "caution", "lifting instructions", etc.
- On the delivery note, the Supplier shall specify how the goods are packed (individually, in sets, as part of a package, etc.).
- The pallet's outer packaging shall be designed so that individual items can be removed separately from the pallet without affecting other items on the pallet.
- Batches shall be packed and marked in a way that makes repacking at [\[the buyer\]](#) [\[DALO\]](#) unnecessary.
- Goods intended for use as sets shall, to the extent possible, be packed in those sets to avoid repacking and additional handling.
- Goods with a gross weight exceeding 12 kg shall be placed on a EUR-EPAL or a half EUR-EPAL.
- Goods with a surface area exceeding that of a EUR-EPAL shall be clearly marked "BULK".
- Goods with a gross weight exceeding 12 kg shall be easily accessible in the box, crate, case, etc., in question. Alternatively, the box, crate, case, etc., in question shall be easy to disassemble.
- Notification shall be provided prior to receipt of the shipment if necessary to ensure the required lifting capacity and handling of the shipment during loading and unloading, as well as other specific conditions.

- If the package contains dangerous goods, it shall be packed using the most recent version of UN approved and certified packing procedures, in accordance with ADR/IATA/ICAO regulations.

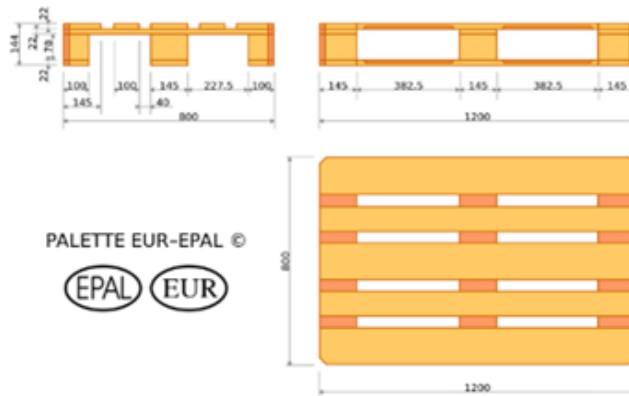


Figure 1. EUR-EPAL

2.2. Pallet size

To ensure smooth and proper handling of the shipment, it shall be possible to move it directly from the receiving area to the storage area without the need for repacking.

The height of the packed pallet (including the pallet itself) shall not exceed 120 cm. If the height exceeds 120 cm, an inserted pallet shall be used. The gross load-carrying capacity shall not exceed the approved load-carrying capacity of [500 kilograms][800 kilograms]



Max 120 cm. Max 120 cm. [MAX 800KG][MAX 500 KG][MAX]

Figure 2: Packed EUR-EPAL

2.3. Marking

[All goods shall be marked in accordance with NATO STANAG 2828 – APP-28 “Military Pallets, Packages and Containers”¹ and NATO STANAG 4281 – AAITP-05 “NATO Standard Marking for Shipment and Storage”. The purchase order number on the package shall match the purchase order number e-mailed to DALO.

[Shipments containing aircraft parts shall be clearly marked with the following text: “AIRCRAFT PARTS”.

Shipments that require special handling or storage shall include easily accessible instructions to that effect in the accompanying documents or attached to the shipment.]

2.3.1. Goods

Marking shall be applied to all packages containing identical items. For example, in a bag containing 100 cable ties or a box containing 12 filters, the bag/box shall be marked, not the individual items. For example, if a container or package contains only 1 (one) item, that container or package shall also be marked. For example, if the Supplier delivers a container with a gearbox, the container shall be marked, or if the Supplier delivers a box with a trash can, the box shall be marked.

All labels/markings shall be clearly legible, both manually and when scanned.

All barcodes shall be sent to FMI-KTP-SD-AFTALE@MIL.DK for approval before use, i.e., before the first order is shipped.

The Supplier shall mark as follows:

- The Supplier's part number.
 - NATO stock number (barcode GS1-128 AI:7001, cf. NATO STANAG 4329 – AAITP-09)
- Example:



- The Supplier's batch/LOT number, if applicable.
- Serial number, if applicable.
- Codes concerning dangerous substances/goods in accordance with applicable regulations.
- Any TSD components (temperature sensitive devices).
- Any ESD components (electrostatic sensitive devices).
- If the item weight exceeds 12 kg, it shall be marked "HEAVY".
- If goods contain "dangerous goods", they shall be marked in accordance with applicable IATA/ICAO regulations.

2.3.2. Boxes

The supplier shall mark individual boxes as follows:

- NATO stock number (barcode GS1-128 AI:7001, cf. NATO STANAG 4329 – AAITP-09).
- Example:



- Purchase order number ([Buyer][DALO']s purchase order number in barcode GS1-128 AI: 400). Example:



- If all the boxes/items have the same purchase order number on the EUR-EPAL, the purchase order number shall be visible on the outer packaging.
- The Supplier's part number.

- Codes for dangerous goods/substances in accordance with applicable regulations, if relevant.
- Any TSD components (temperature sensitive devices).
- Any ESD components (electrostatic sensitive devices).
- If the item weight exceeds 12 kg, it shall be marked "HEAVY".
- The gross weight of the pallet/parcel.
- If the package contains dangerous goods, individual items, packages and parcels shall be marked in accordance with IATA/ICAO regulations.
- The Supplier's batch and lot number, if applicable.
- Serial number, if applicable.
- The quantity of items in the box.
- If a box contains mixed items, the box shall be marked "Mixed items".

2.3.3. Pallets/Parcels

The Supplier shall mark pallets/parcels as follows:

- NATO stock number (barcode GS1-128 AI:7001, cf. NATO STANAG 4329 – AAITP-09) if the pallet contains only one NATO stock number, otherwise the inclusion of a NATO stock number is not mandatory. Example:



- Order number ([Buyer][DALO']s reference number in barcode GS1-128 AI: 400). Example:



- The Supplier's part number.
- Codes for dangerous goods/substances in accordance with applicable regulations, if relevant.
- Any TSD components (temperature sensitive devices).
- Any ESD components (electrostatic sensitive devices).
- The gross weight of the pallet/parcel.
- If a pallet contains "dangerous goods", the individual items, packages and parcels shall be marked in accordance with applicable IATA/ICAO regulations.
- If a pallet/parcel contains different NATO stock numbers, it shall be marked: "Mixed Pallet".

3. SUSTAINABILITY REQUIREMENTS

3.1. General sustainability principles for packaging

The packaging shall be designed to minimise resource consumption, waste volumes and negative environmental impact, while ensuring that the products are adequately protected during transport, handling and storage.

3.2. Sustainability requirements for packaging

Products with their own packaging (Primary Packaging) shall be delivered as SIOC, unless the Primary Packaging is insufficient to protect the product during transport, handling and storage, in which case Secondary or Tertiary Packaging may be used.

A maximum of two layers of packaging may be used, unless an additional layer is indispensable for protecting the products during transport, handling and storage.

The cardboard material used for boxes shall be at least 6 mm thick to ensure sufficient structural integrity during transport and stacking.

The packaging volume shall be adapted at any time to the size and nature of the product. Any Secondary Packaging shall contain no more than 30% empty space, measured as the ratio of the total volume of the product(s), including any Primary Packaging, to the internal volume of the Secondary Packaging.

If pallet sheets are used for pallet shipments, they shall be made of a reusable moisture-resistant material, such as plastic (see clauses 3.3.3A and 3.3.3B) or equivalent, be at least 2 mm thick and be reusable.

3.3. Sustainability requirements for types of material

3.3.1. Cardboard and cardboard packaging

As a general rule, cardboard-based materials shall be used for all packaging other than Primary Packaging, as cardboard-based materials best meet the general principles stated in clause 3.1.

Cardboard boxes and other cardboard packaging shall consist of 100% recycled material and be certified and marked in accordance with FSC® Recycled, PEFC Recycled, or an equivalent recognised scheme for recycled fibres.

Cardboard boxes shall be assembled without the use of other materials, such as metal clips, that cannot be recycled together with cardboard without prior separation.



Cardboard boxes shall have an automatic bottom that unfolds easily and shall allow flat folding.

Cardboard boxes shall be easy to close, generally without the use of tape or any other closing devices made of material other than cardboard. If, exceptionally, tape or another closing device made of a material other than cardboard is required for closing cardboard boxes, that material shall be fully recyclable together with the cardboard without separation, e.g. made of paper that contains no plastic.

3.3.2. Filling

Filling material shall be based on crumpled cardboard or cardboard netting made from cut-up cardboard, or equivalent, cf. clause 3.3.1, designed as continuous pieces to facilitate handling during reuse and thereby supporting clause 3.1. Shredded, loose cardboard strips/chips do not meet this requirement.

3.3.3. Plastic

As a general rule, plastic shall not be used, as cardboard-based materials, cf. clause 3.3.1, best meet the general principles set out in clause 3.1. However, plastic pockets (for

documents) and pallet strappings are permitted. Where the use of plastic in packaging is indispensable for protection during transport, handling and storage, the plastic shall meet the following requirements:

- A. Made from 100% recycled mono-plastic (rPET, rPE, rPP, or equivalent with an established recycling stream) and free of BPA, PFAS, PVC and phthalates. Mixed plastics, laminates and type 7 plastics ("Other") do not meet this requirement.
- B. Clearly marked with the type of plastic in accordance with ISO Standard 11469, or equivalent.

Plastic pockets, if any, shall be easily removable using glue or a similar method, without clips or similar, as these impede recycling, cf. clause 3.1. Upon removal, the glue shall not leave any plastic residue or damage the box.

3.4. Documentation, control and exemptions to the sustainability requirements

At DALO's request, the Supplier shall provide documentation that, in a factual and objective manner, enables DALO to verify the Supplier's compliance with the climate and environmental requirements stated in this appendix, including (without limitation) documentation of compliance with "or equivalent" solutions, cf. clauses 3.3.1–3.3.3. The documentation may include, but is not limited to, certifications, test reports, data sheets, self-declarations and invoices. The documentation shall be submitted within 20 working days from receipt of DALO's request. DALO reserves the right to conduct a physical inspection of packaging upon receipt of deliveries.

Packaging, particularly Primary Packaging, may be exempted from the requirements of this appendix where compliance is not technically feasible or would compromise product protection, safety for the surrounding environment or work safety during transport, handling and storage, or where compliance will entail disproportionate costs in relation to the subject-matter of the contract. However, the requirement in clause 3.3.3.B, marking of type of plastic, shall always apply. Should the Supplier fail to meet the requirements stated in this appendix, it shall be incumbent on the Supplier to document and justify this at DALO's request.