

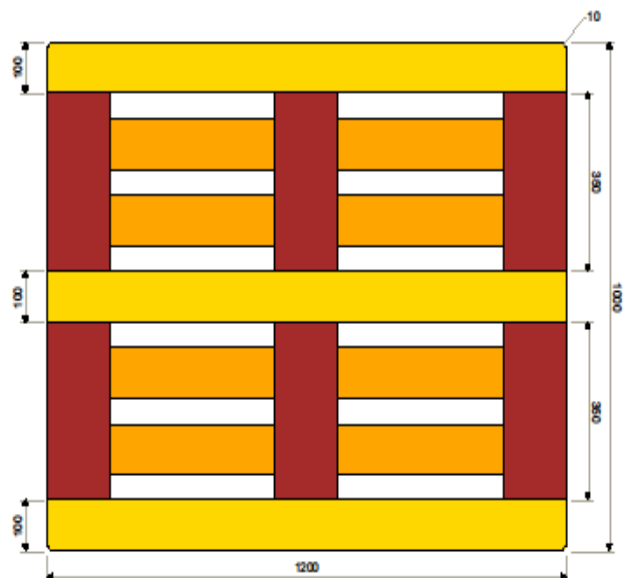
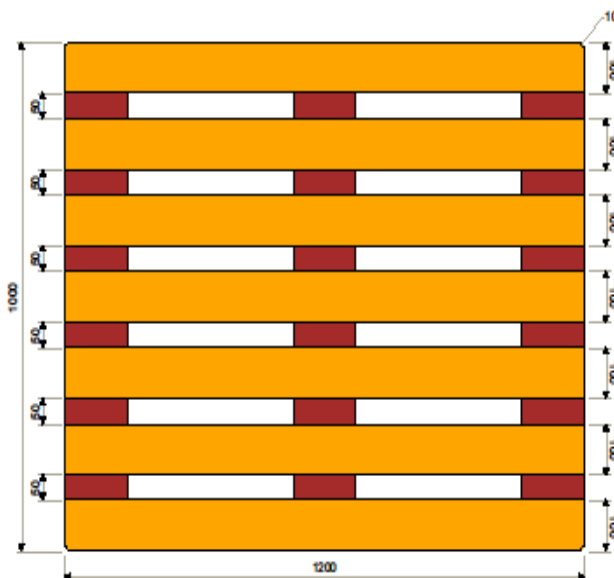
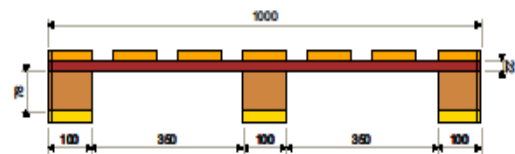
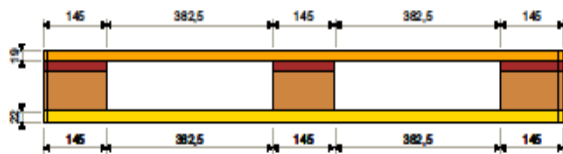
## 1. General Requirements

- 1.1 Contractors who do not comply with the packing requirements for deliveries to the UNICEF Warehouse, Copenhagen, Denmark, as outlined herein shall be invoiced the extra cost of re-work fees upon arrival at UNICEF Supply Division. The current recovery fee structure is available on the [UNICEF website](#).
- 1.2 UNICEF also reserves the right to reject non-compliant shipments. All additional costs in relation to the rejection of the shipment shall be borne by the manufacturer.

## 2. Pallets

### 2.1 Pallet size

- 2.1.1 1200 x 1000 mm (Preferred size), One Way Pallet, Heat treatment according to ISPM 15

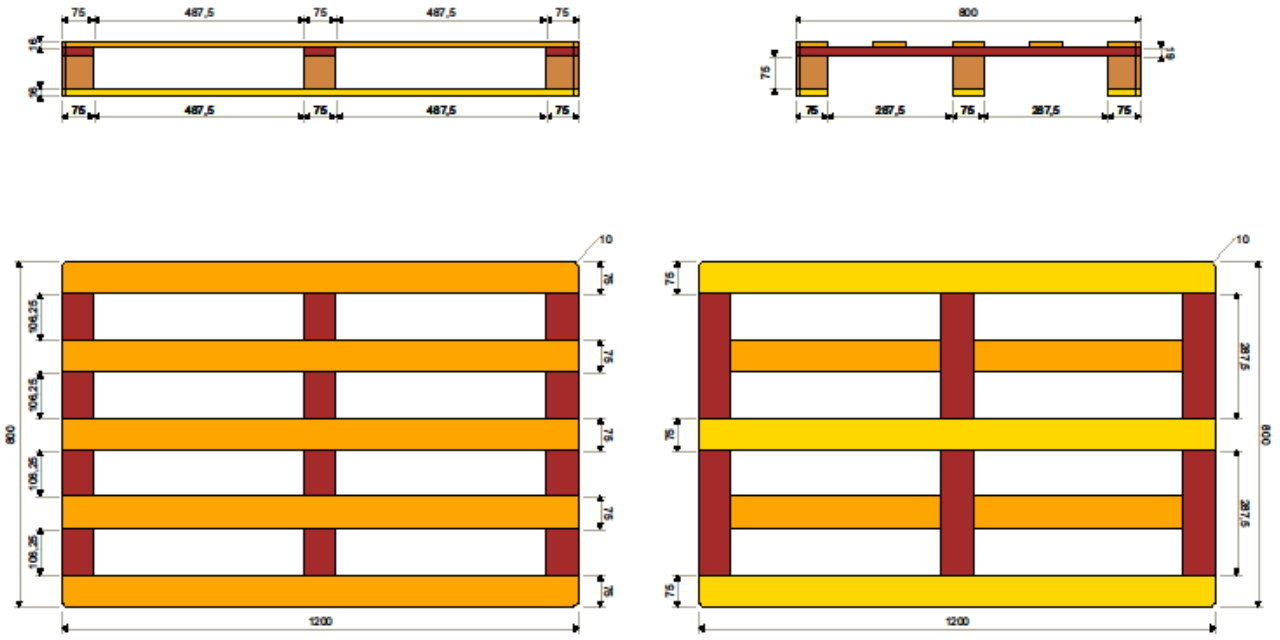


Nails/Joint:	Deck board/Block	2 pcs. 3.1/85 mm ring nail
	Deck board/Stringer board	2 pcs. 2.5/45 mm round nail (diamond shaped)
	Bottom board/Block	2 pcs. 3.1/75 mm ring nail

Tolerances:	Pallet length	-0/+3 mm
	Pallet width	-0/+3 mm
	Board length	-0/+3 mm
	Board width	-3/+3 mm
	Board thickness	-0/+1 mm
	Block length	-3/+3 mm
	Block width	-3/+3 mm
	Block height	-0/+2 mm
	Entry height	Min. 100 mm

Wood:	Moisture content	<20 %
	Wanes	<15 mm
	Single knot	<1/3 of width
	Sum of knots	<1/2 of width
	Insect holes and rot are NOT allowed	
	Heat treatment	According to ISPM 15

**2.1.2 1200 x 800 mm, One Way Pallet (Euro) as per UIC 435-2 , Heat treatment according to ISPM 15**



Nails/Joint:	Deck board/Block	2 pcs. 3.1/85 mm ring nail
	Deck board/Stringer board shaped)	2 pcs. 2.5/45 mm round nail (diamond
	Bottom board/Block	2 pcs. 3.1/75 mm ring nail

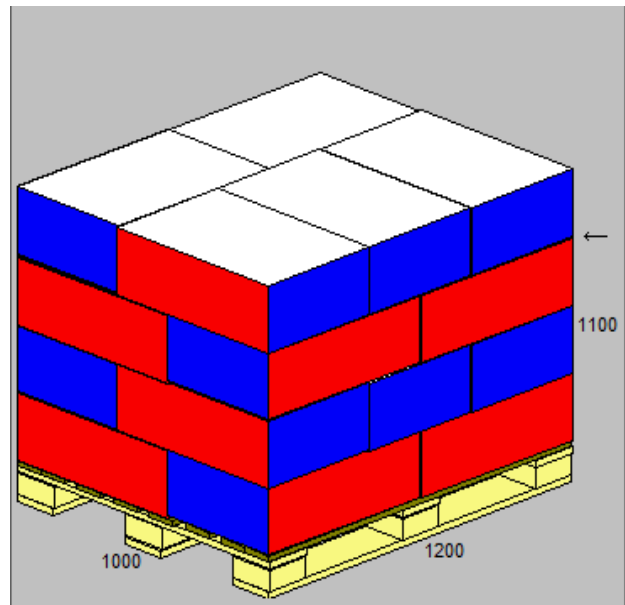
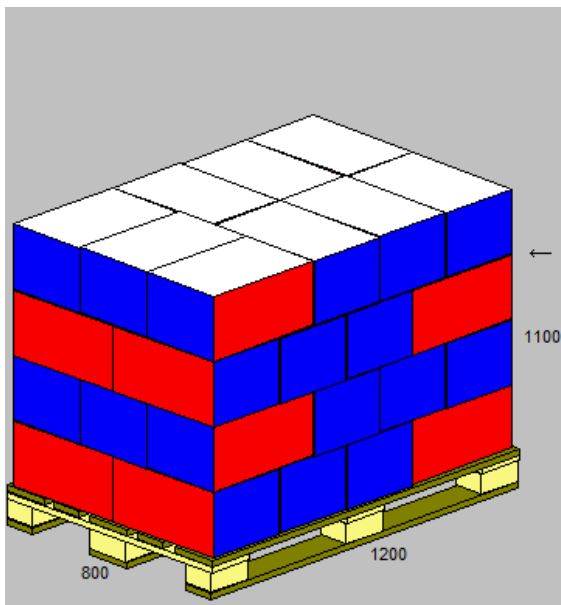
Tolerances:	Pallet length	-0/+3 mm
	Pallet width	-0/+3 mm
	Board length	-0/+3 mm
	Board width	-3/+3 mm
	Board thickness	-0/+1 mm
	Block length	-3/+3 mm
	Block width	-3/+3 mm

Block height -0/+2 mm  
 Entry height Min. 97 mm

Wood: Moisture content <20 %  
 Wanes <15 mm  
 Single knot <1/3 of width  
 Sum of knots <1/2 of width  
 Insect holes and rot are NOT allowed  
 Heat treatment According to ISPM 15

## 2.2 Carton stacking

The maximum height is **110 cm including** the pallet.  
 The maximum weight of the cargo including the pallet is **950 kg**  
 The cartons shall be cross stacked on the pallets whenever possible.  
 No overhang is allowed.



## 2.3 Cargo

The pallets/cartons shall contain **only** one material.  
 For batch managed materials, e.g. pharmaceuticals and medical devices, the cartons/pallets shall contain **only** 1 single batch.

## 2.4 Wrapping

The cargo on the pallets shall be shrink-wrapped.  
 The shrink-wrapping shall allow the pallet to be handled by fork-lift.  
 Loose foil ends are not tolerated.  
 Pallets must not be wrapped together.

## 2.5 Strapping

As an alternative to shrink-wrapping, the cargo can be fixed with straps of polypropylene. Steel straps are not acceptable.  
 The cargo shall be fixed with at least 4 straps, 2 on the pallet's short side and 2 on its long side.

## 3. Cartons

### 3.1 Export cartons

#### 3.1.1 Design

Box style	Full-overlap slotted container (FOSC)
FEFCE/ESBO Code	0203 modified as described below
Closure	Outside flap, glued and stiched
Flute designation	BC double wall
Structural instructions	Meeting inner flaps. All corners of long side flaps are chamfered 25x25 mm.

#### 3.1.2 Quality and standards

Edge Compression Test (ECT)	≥ 17 kN/m	(EN ISO 3037)
Bursting strength (Mullen)	≥ 2200 kPa	(EN ISO 2759)
Water absorptiveness (Cobb 1800)	< 155 g/m <sup>2</sup>	(EN ISO 535)
Bending stiffness	MD: ≥ 44000 Nmm CD: ≥ 19500 Nmm	(EN ISO 5628)

3.1.3 Quality instructions

Min. 60% of resulting box strength must be maintained in tropical conditions, i.e. 40°C and 90 % R.H.

Box compression test (BCT) must be provided.

3.2 Inner cartons

3.2.1 Design

Box style	Regular slotted container (RSC)
FEFCE/ESBO Code	0201 modified as described below
Closure	Inside flap, glued
Flute designation	C single wall
Structural instructions	All corners of short side flaps (inner flaps) are chamfered 10 x 20 mm (10 mm on top edge).

3.2.2 Quality and standards

Edge Compression Test (ECT)	≥ 6,1 kN/m	(EN ISO 3037)
Bursting strength (Mullen)	≥ 1680 kPa	(EN ISO 27597)
Water absorptiveness (Cobb 1800)	< 155 g/m <sup>2</sup>	(EN ISO 535)
Bending stiffness	MD: N/A, CD: N/A	(EN ISO 5628)

3.2.3 Quality instructions

Min. 60% of resulting box strength must be maintained in tropical conditions, i.e. 40°C and 90 % R.H.

Box compression test (BCT) must be provided.

## 4. Labels

### 4.1 Pallets

#### 4.1.1 Barcode

The pallets shall be labelled with the following information in both clear text and barcode as per encoding type GS1-128:

Unicef PO number	Identifier 400
Unicef material number	Identifier 93
Pallet quantity	Identifier 37
Batch number (if applicable)	Identifier 10
Manufacturing date (if batch managed)	Identifier 11
Expiry date (if batch managed)	Identifier 12

#### 4.1.2 Label positioning

The labels shall be fixed on the two short sides of the pallets, outside the plastic wrapping.

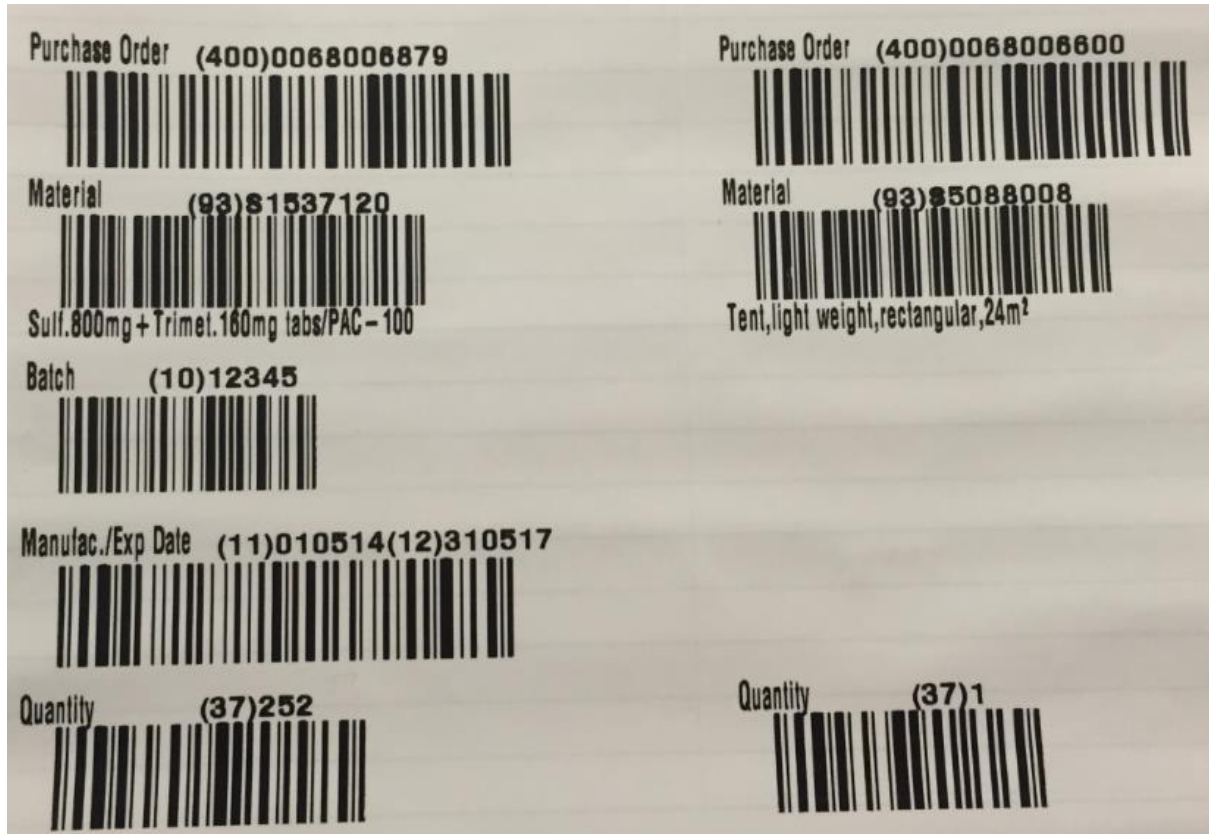
### 4.2 Cartons

#### 4.2.1 Barcode

The cartons shall be labelled with the following information in both clear text and barcode as per encoding type GS1-128:

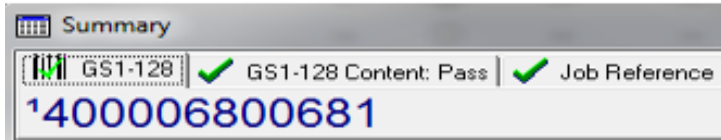
Unicef PO number	Identifier 400
Unicef material number	Identifier 93
Carton quantity	Identifier 37
Batch number (if applicable)	Identifier 10
Manufacturing date (if batch managed)	Identifier 11
Expiry date (if batch managed)	Identifier 12

4.2.2 Label sample





4.2.3 Encoding samples



Purchase Order Number



Material Number



Batch Number



Man/Exp Date



Quantity

4.2.4 The quantity on both carton and pallet labels should reflect the qty of our buying unit.

**5. Packing List**

5.1 A detailed packing list including material number and description, quantity and batch number if applicable, shall be attached to both short sides of minimum the first pallet of the shipment.