

Quick guide to the GS1-128 pallet label:

Make sure your customer is satisfied with your GS1-128 pallet label

The GS1-128 pallet label is used on logistic units, which are in transit. Typically these are boxes that are transported individually or on pallets.

This quick guide is a check list for constructing your GS1-128 pallet labels correctly.

This part of the pallet label is typically used for your **company logo** and **product description**.

This part of the pallet label must present **all** the data encoded in the barcode in human readable text, e.g. GTIN (EAN-number), best before date, batch number and SSCC (the unique serial number of the pallet).

AI (15) The following 6 digits specify the best **before date** of the item.

- (15) must always be followed by **6 digits**, specifying the best before date as YYMMDD.

Alternatively, ***AI (17)** can be used when the expiry date must be indicated.

AI (00) The following 18 digits specify the **Serial Shipping Container Code (SSCC)**: The pallet's unique serial number.

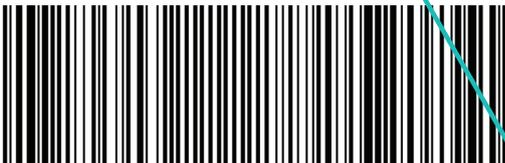
- A SSCC code **may only be used** for one specific pallet, even if the pallet repeatedly contains exactly the same products.
- If there are multiple barcodes, the SSCC code must be placed in the last barcode.

Factory A/S
P. Røftvej 2, 2100 København Ø
Frozen peas
48 packages
6 packings of 500 grams

SSCC 35704368000000011	GTIN 05704368000010
Contained number 48	Best before (31.12.2008) 081231
Batch/lotnumber 12345XF	



(15)081231 (02)05704368000010 (37)48



(00)35704368000000011 (10)12345XF

Use a GS1 **DataMatrix** if the information in the GS1-128 barcode is not enough. Further information must appear in the legible text. Order number is added.

AI (02) The following 14 digits represent the **GTIN** of the pallet's content, in other words typically the GTIN of the box (**the unit**).

- (02) must always be followed by a **GTIN of 14 digits**. If the item number consists of 13 digits, a 0 is added as a prefix.

- (02) may not be followed by the **GTIN of the pallet or the retail unit**

When (02) is used, the number of boxes on the pallet must always be specified after AI (37)

AI (37) is succeeded by the **number** of ordering units/GTINs. In most cases this is the **number of cases** on the pallet.

- (37) may be followed by **up to 8 digits**. If (37) is followed by an odd number of digits, such as 126, it is recommended to be prefixed by a zero.

- If the barcode is to contain more data after the number of units, a separator character (**FNC1**) must be inserted after the number of units.

AI (10) The following digits specify the **batch number**.

- (10) may be followed by **up to 20** alphanumeric characters
- If the barcode is to contain more data after the batch no., a separator character (**FNC1**) must be inserted after the batch number.

What is an AI?

An Application Identifier is a number consisting of 2-4 digits. It tells the software "behind" the barcode scanner the meaning and the format of the digits and/or letters placed after the AI.

Avoid errors on the pallet label: 13 dos and don'ts



Problems concerning the data content of the pallet label

- (1) The barcode type must be GS1-128, previously known as EAN128 or UCC/EAN128. **Code 128 is a different type of barcode, and must not be used.**
- (2) If a data field of variable length is followed by additional data, a separator character (FNC1) must always be inserted here after.
- (3) **Parentheses** must not be encoded in the barcode, but must be visible in the text under the barcode.
- (4) **Calculate check digits** in GTIN (EAN-number) and SSCC codes correctly at www.gs1.dk/kontrolciffer.
- (5) **AI (37) can only be used together with AI (02).**
- (6) **If the pallet is a unit with its own GTIN, which is ordered, AI (01) is used in stead of AI (02) and AI (37).**
- (7) **Every pallet must be identified with a unique 18 digit SSCC code:** Read more about SSCC at www.gs1.dk/SSCC.
- (8) The barcode may not contain internal company information in the form of AI (91)-(99). AI (90) may only be used by agreement with your customer.

Problems concerning the pallet label's placement, appearance etc.

- (9) There should be a certain **margin** to the left and right of the barcode (also known as "the quiet zone") in which no lines or characters are permitted.
- (10) The **dark bars** of the barcode must appear clearcut on a light background.
- (11) Place the pallet label on a smooth surface without creases.
- (12) The recommended size of the pallet label is **A5**.
- (13) The GS1-128 pallet label must be placed on the pallet as shown below. Identical labels must be placed on both sides of the pallet. One on each side.

Distance from the corner of the pallet to the label: Min. 50 mm.

