



# Material Specification Packaging requirements

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## 1 Purpose

To secure safe transport of goods to Inmotion Technologies AB as well as safe handling of goods within the Inmotion Technologies AB site.

## 2 Scope

These requirements apply unless special packaging agreements have been made between Inmotion Technologies AB and the supplier.

## 3 Documentation requirement

Supplier shall submit a proposal of packaging layout. The proposal shall be approved by Inmotion prior to serial delivery.

## 4 Packaging requirements

### 4.1 Robustness requirement

- Packaging should secure goods from all types of damage during transport.
- The packaging layout must take into consideration to minimize the risk of damaged components mechanically both in the packaging process and during transport.

### 4.2 Packaging material requirement

- Do not use chips as packaging material.

### 4.3 ESD requirement

- All packaging material inside pallets or parcels shall be ESD classified and tested as “Static dissipative” or “Conductive” according to IEC 61340-5-1 section 5.3.4 and 5.3.5.[\[Ref 1\]](#). The purpose is to be able to bring the packaging inside ESD protected production area.
- This ESD requirement is not valid for external wrapping of parcel or pallet.
- Cardboard and paper are accepted as packaging material.

#### 4.3.1 Packaging requirement for ESDS material (PCBA and electrical components)

- Approved shielded ESD bag or black conductive ESD box shall be used to protect the ESDS material. If a shielded bag will be used, one large bag or individual packed is optional.

### 4.4 Pallet transportation requirement

- Use pallets with maximum three pallet collars or maximum height of 75 cm.
- Pallet total weight may not exceed 700 kg.
- Always use water tight pallet lids. We recommend pallet lids of WBP (Water and Boil Proof)-plywood material.
- Secure goods from water and snow.



Picture 1: OK, 3 collars, WBP lid



Picture 2: Not OK! 4 collars (too high), pallet lid of wood, (may leak and shed splinters onto goods).

#### 4.5 Requirement for boat transportation

Humidity salt bags shall be used in the packaging.

### 5 Environmental impact

A supplier that is responsible for planning and choosing packing materials for products delivered to the organization should do it in such a way that the total environmental impact is minimized.

## 6 References

#.	Name	Number/Ref.	Rev
[Ref 1]	International Standard Electrostatics (ESD)	IEC 61340-5-1	

## 7 Document Revision & Definitions

### 7.1 Revision history

Revision No	Revision Change	Date
Rev 1	First release	
Rev 2	Changed recommended lid to WBF-plywood	120224
Rev 4	New logo and company name	150120

*Table 1. Revision history.*

### 7.2 Abbreviation

Abbreviation	Description
ESD	Electro static discharge
WBP	Weather and Boil Proof
ESDS	ESD sensitive