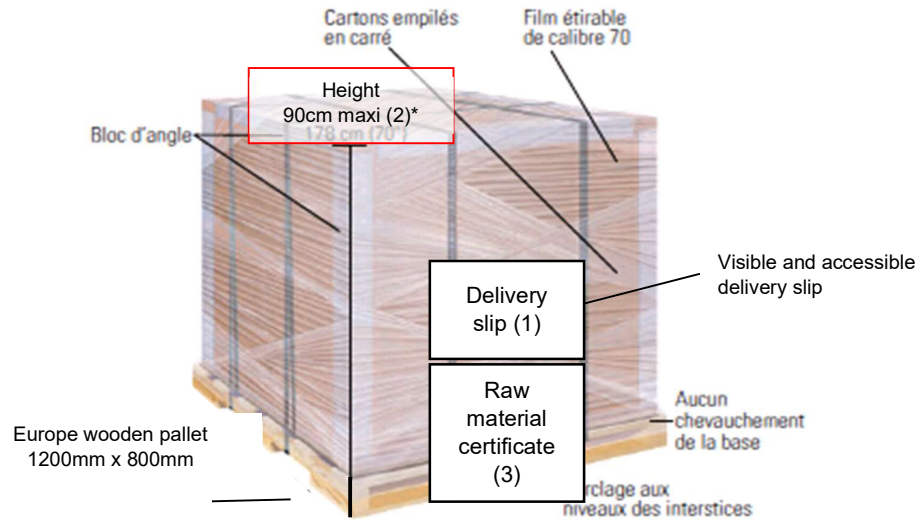


## PACKAGING AND LOGISTICS FOR SUPPLIER DELIVERIES

This Appendix defines the additional requirements linked to packaging and logistics. Any delivery not complying with these packaging rules will be considered as non-compliant.

### 1. Basic rules

All packaging must comply with the basic rules below:



- (1) Delivery Notes: Delivery notes must be visible and accessible without unpacking the pallet. Delivery notes placed inside the box or not accessible upon receipt will be rejected.
- (2) Pallet Height: Maximum height of 900 mm, except for chemical products/category 3B, which have a maximum height of 1100 mm.
- (3) Material Certificate: Applicable to all raw materials.

The following types of packaging are not accepted:

- **Pallets**: Cardboard and plastic pallets are prohibited. Pallets that do not allow handling with a stacker (e.g., those with skids on the width) are also prohibited.



- **Bracing**: Any non-solid bracing is prohibited, including following examples (non exhaustive list)

**Polystyrene flakes**: Prohibited



**Shredded paper/cardboard**: Prohibited






## 2. Categories of PCM packaging




Categories of PCM packaging are defined with the aim of standardising packaging according to the product type. Each packaging category is defined by a number (type of packaging) and a letter (additional PCM specifications).





The types of packaging categories defined are as follows:


- **Category PCM 1:** Products delivered in bundles/pallets/chassis
- **Category PCM 2:** Products delivered on reels
- **Category PCM 3:** Chemicals and hazardous substances
- **Category PCM 4:** Products whose packaging dimensions are not standard (not on a 120 x 800 mm pallet)
- **Category PCM 5:** Products delivered in boxes (small parts and weighing < 25 kg)

Packing categories are defined by the following requirements:

Categories of PCM packaging	General requirements	Additional requirements	Visual
<b>1A</b> Bars/tubes < 1200mm	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>UIC 435-2 standards and AQF 335 rail quality assurance.</i>	<ul style="list-style-type: none"> <li>• <b>Length &lt;50 mm</b> Fixed collar on pallet Parts not held by sling</li> <li>• <b>50 to 1200 mm in length</b> Fixed collar on pallet Parts held by sling Parts held by metal strapping</li> </ul> <p>If diameter between 20 and 100 mm: 5 rods maximum If diameter greater than 100 mm: 3 rods maximum</p>	
<b>1B</b> Bars/tubes > 1200mm	Parts held by sling (straps)	<ul style="list-style-type: none"> <li>• <b>1200 to 6000 mm in length</b> If diameter between 20 and 100 mm: 5 clusters maximum If diameter greater than 100 mm: 3 clusters maximum</li> <li>• <b>Length &gt; 6000mm</b> Parts held by metal strapping and filming at the ends Clusters of 6 to 8 bars maximum</li> </ul>	 

Category of PCM packaging	General requirements	Additional requirements	Visual
<b>1C</b> Casting Machining	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>UIC 435-2 standards and AQF 335 rail quality assurance.</i>	Storied parts with insert in fine wood Pallet under shrink film Pallet held by metal strapping Protect machined areas	
	<b>Or maritime packaging type:</b> SEI 4C: Full crate under sealed and waterproofed cover	Or pallet + collar with shrink film Protect machined areas	
<b>1D</b> Appearance part Stainless steel, precise dimensional requirement (boiler making / plastic, etc.)	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>UIC 435-2 standards and AQF 335 rail quality assurance.</i>	Part in boxes, separated individually with appropriate unit protection (bubble wrap, protective foam, other protections validated beforehand by PCM) <b>Identification (item code) ON each individual packaging</b>	
	<b>Or Maritime packaging type:</b> SEI 4C: Full crate under sealed and waterproofed cover	The delivery slip must be visible without unpacking	
<b>1E</b> Electric motors, geared motors, valves, control cabinets or any metal part with sensitive machined parts requiring protection from corrosion and dust.	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>UIC 435-2 standards and AQF 335 rail quality assurance.</i> Full-walled crate	Individual packing: - double corrugated cardboard - plastic packaging  Filming and strapping onto the pallet Parts not stacked	
	<b>Or Maritime packaging type:</b> SEI 4C: Full crate under sealed and waterproofed cover		

Categories of PCM packaging	General requirements	Additional requirements	Visual
<b>2A</b> Cables	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>NIMP 15, UIC 435-2 standards and AQF 335 rail quality assurance.</i>	Reel fixed on the pallet > 20 m in length  Plasticised coil for cable < 20 mm in length	
<b>3A</b> Liquid Oil	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>NIMP 15, UIC 435-2 standards and AQF 335 rail quality assurance.</i> <hr/> <b>Or Maritime packaging type:</b> SEI 4C: Full crate under sealed and waterproofed cover	Cannisters up to 5L grouped into boxes and wedged to avoid impacts  Cannister > 5L filmed and strapped to the pallet	
<b>3B</b> Powder Granules Non-liquid chemical products	Europe pallet 800 x 1200 mm Approved and marked EURO - EPAL <i>UIC 435-2 standards and AQF 335 rail quality assurance.</i> <hr/> <b>Or Maritime packaging type:</b> SEI 4C: Full crate under sealed and waterproofed cover	One reference per pallet ( <b>risk of incompatibility</b> ) Bags positioned on pallet(s) If exceeding 50 cm in height, filming is required. <b>MAXIMUM HEIGHT 1100 MM</b>	
<b>4A</b> Outsized part > Europe pallet dimension  (excluding rounds and tubes)	Pallet or wooden crate adapted to the dimensions of the part so that it does not stick out.  <b>The load should be balanced and the pallet fitted with soles (100 mm) for take-up and handling with a forklift truck.</b> <b>The maximum weight must be &lt; 5 tonnes</b> <b>The centre of gravity identified</b> <hr/> <b>Or Maritime packaging type:</b> SEI 4C: Full crate under sealed and waterproofed cover		

Categories of PCM packaging	General requirements	Additional requirements	Visual
<b>4B</b> Base, Retention Tray	<p>The load must be balanced and positioned on a Euro pallet for handling and transport with a forklift.</p> <p>The maximum weight per package must be less than 2T.</p> <p>Each package must be strapped.</p>	<p>The center of gravity must be identified. Maximum load packaging height: 110 cm, including the Euro pallet.</p> <p>If two items are in the same package, they must be separated by a spacer of at least 100 mm.</p> <p>Each item must be identified with the PCM reference using weather-resistant labels suitable for outdoor storage.</p>	
<b>4C</b> Small Pallets	<p>Pallet or wooden crate adapted to the product's dimensions. The product must not exceed the pallet width or length.</p> <p>Pallet or wooden crate must have a minimum width of 800 mm for forklift handling.</p> <p>Alternatively, maritime packaging type <b>SEI 4C</b> -Fully enclosed crate with a waterproof cover and desiccant..</p>		
<b>5A</b> Parcel Small parts and low weights (Screws, gloves, seals, etc.)	<p>Europe pallet 800 x 1200mm if the total weight is greater than 25kg</p> <p>Excluding pallet if weight is less than 25 kg</p>	<p>It should be possible to handle the box manually with weight less than 20 kg</p> <p>The delivery slip must be visible without unpacking</p> <p>Small / Medium / Large / Extra-Large open-front storage box"</p>	