

**1.0 Definition Pallets**

Type of pallet	Length in mm	Width in mm	Height in mm	Material
a)EURO Pallet DIN EN 13698-1	1200	800	144	<input type="checkbox"/> Wood <input type="checkbox"/> Plastic <input type="checkbox"/> Steel
b) Industry Pallet DIN EN 13698-2	1200	1000	144	<input type="checkbox"/> Wood <input type="checkbox"/> Plastic <input type="checkbox"/> Steel
c) Chep Pallet				<input type="checkbox"/> Wood <input type="checkbox"/> Plastic <input type="checkbox"/> Steel
d) Düsseldorf Pal. DIN EN 15146-4	600	800	163	<input type="checkbox"/> Wood <input type="checkbox"/> Plastic <input type="checkbox"/> Steel
E) Chemistry Pallet CP.....				<input type="checkbox"/> Wood <input type="checkbox"/> Plastic <input type="checkbox"/> Steel
f) Special pallet	Please attach drawing or layout!			<input type="checkbox"/> Wood <input type="checkbox"/> Plastic <input type="checkbox"/> Steel

**1.1 Percentage Distribution**

Type of pallet	Share in percent
a)	%
b)	%
	%
	%
	%

**1.2 What is the portion of inferior and defective pallets which can lead to problems when storing and transporting?**

in % .....

**1.3 Fault/Defective**

Definition	
Base are missing completely or partially	<input type="checkbox"/>
Base are cleaved	<input type="checkbox"/>
Logs distorted	<input type="checkbox"/>
Weak one-way pallets available	<input type="checkbox"/>
Pallets inappropriately repairs	<input type="checkbox"/>



**2.0 Package data**

Property	Data	Part in %
minimum Height (incl. Pal)	mm	
maximum Height (incl. Pal.)	mm	
minimum weight	kg	
maximum weight	kg	

Is the load of the freight evenly distributed on the pallets?

yes  no

**2.1 Load projections (overlying)/ Tilt of the commodity**

Pallet measure	Overhang in mm	Comment
i.e. 1200mm	100 mm	Both-sided 50mm

**2.2 Load securing**

Yes  No; If not, does the danger of slipping exist?

.....

Band

Foil

Belts

Others ; .....

**2.3 Shall the different pallet heights at the height-establishing in the storage for the increase of the storage capacity integrated in the planning?**

Yes  No

**2.4 How are the pallets given up?**

with forklift lengthwise  crosswise   
 with manual lift truck lengthwise  crosswise   
 automatically lengthwise  crosswise   
 System.....

Hub manual lift truck  100mm  differently .....mm  
 max. Hubfork lift .....mm  
 inclinable stacker mast  yes  no  
 Conveyor height (automatically) .....mm



**3.0 Building data**

Building existing  Building under construction

Dimensions building/ existing area (available area)

Length: .....m

Width: .....m

Height: .....m

Temperature range: .....°degree-.....°degree

Air humidity: ..... %

Ground loading capacity: .....KN/m<sup>2</sup>

*Please attach layout or drawing!*

**4.0 Flow of material**

Are there given commodity flow yes  no

Are there given loading ramps yes  no

*If specifications are present please sketch in the floor plan!*

**5.0 Batch Size: Please fill in the column Number of batches per pallet(s), this will help us to estimate your actual batch size. I.e. 1 Pallet witch 10 items or 9-12 Pallets witch 50 items.**

Batch Size	Number of batches per pallet(s)
i.e.: 1 Pallet	10
i.e.: 9 – 12 Pallets	50
1 Pal.	
2 Pal.	
3 Pal.	
4 Pal.	
5 Pal.	
6 – 8 Pal.	
9 – 12 Pal.	
13 – 15 Pal.	
more than 15 Pal.	
more than 20 Pal.	
<b>Total number of batches per pallets =</b>	

[Please try to fill 5.0 as accurate as possible]



**6.0 Please fill in the columns A-Items, B- Items and C- Items.**

**A-Items** => high turnover ratio; **B-Items** => moderate turnover ratio; **C-Items** => low turnover ratio

Inventory Turnover Ratio			
	A- Items	B- Items	C- Items
1 Pallet			
2 Pallets			
3 Pallets			
4 Pallets			
5 Pallets			
6- 8 Pallets			
9- 12 Pallets			
13- 15 Pallets			

**7.0 How many pallets storing positions are needed altogether inclusive reserves and expansion?**

Total capacity (Now): ..... Stock piles  
 Total capacity (Future): ..... Stock piles

How often (approximately) does the storage turn itself over in the year? .....

**8.0 Pallet movement**

Working process of the storage takes place:  Single-shift  Two-shifts  
 Three-shifts

Working days / week:            5                                   6                                   7

Number of storages/h .....piece  
 Number of stock removals/h .....piece  
 Number of lorry shipments/day .....piece  
 Number of lorry discharges/day .....piece

Are there temporal classifications? For example, a certain time for WE, WA, outlet, commodity from production, shipment, et cetera

.....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....

## 9.0 Engineering Specification for Site Conditions

### Earthquake

According to Iranian Seismic code 2800 (last version)

1	Seismic Zone	
2	Peak ground acceleration	$a_{gr} =$
3	Method of analysis (LFMA, MRSA, SRSS)	
4	Response Spectrum Type (Type 1, Type 2 or spectrum specified by National Regulations)	
5	Ground Type	
6	Importance Factor Building	