

General Inspection Checklist for Furniture

Scope:

A general quality inspection checklist for Furniture if clients have not defined their requirement.

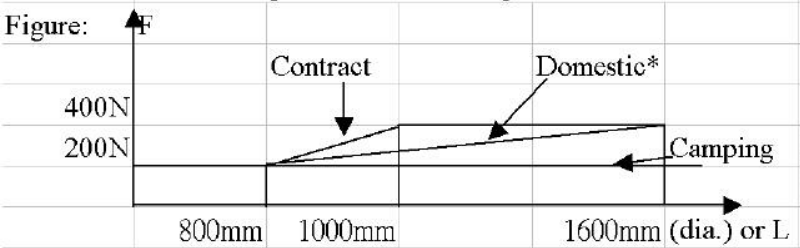
Defective Classification

- * **Critical Defect** – Defects which could result in hazardous or unsafe conditions for individuals using or maintaining the product as well as defects contravening legal regulations;
- * **Major Defect** – Function defects reducing the usability or solidity of the product as well as obvious visual defects reducing the sales value of the product.
- * **Minor Defect** – Defects that are unlikely to reduce the use of the product, but nevertheless may influence the sale.

Item code	Details	Defective Classification		
		Critical	Major	Minor
1	Packaging check (For all sample size)			
	Non-conform found	Reject		
2	General appearance (For all sample size)			
	Appearance of unit			
	No functional sharp point and sharp edge (May injure customer)	√		
	Live insert/ infestation /mildew	√	√	
	Knives, blades, needles and similar sharp foreign object contamination	√	√	
	Incorrect material used		√	
	Wrong color or style or type		√	
	Excessive/unpleasant odor		√	
	Deformed, scratched, dirty mark, chipped, dent mark, burr		√	√
	Squeeze/ shear point	√		
	Missing/ illegal warning/caution label or marking	√		
	Missing/illegal other label or marking		√	
	Dead knot		√	
	Wobble unit		√	√
	Missing/ detached part		√	
	Insect hole		√	
	Live knot		√	√
	Loose part		√	√
	Poorly coating/plating/polish/ sticking veneer		√	√
	Bubble, wave mark, pits (for glass part)		√	√



	Cutting marking, uneven edge/surface, rough surface, mineral stain, warp, discoloration, filler, broken, dent mark (for stone part)		√	√												
	The edge/corner is not round or bevel		√	√												
	Split, pits, honeycomb, patch, pitch, gum, sap, rot, mould, cutting marking, dirty mark, glue mark, uneven joint		√	√												
	Open end		√													
	Missing accessories		√													
3	Bar Code verification (3pcs, at least 1 sample/item)															
	Non-conform found	Reject														
4	Function check (For all sample size)															
	Without any function (for example: drawer. Lock function) against reference samples and /or requirement of client;		√													
5	Data Measurement & On-site Test (3pcs, at least 1 sample/item)															
A	Assembly check and special function(which can be checked after assembling) check															
	Cannot be assembled or part and part cannot match	Reject														
	Without any function against reference samples and /or requirement of client;															
	Wobble unit															
B	Size of unit check															
	The measured data is out of Spec tolerance range	Reject														
C	Weight of unit check															
	The measured data is out of Spec tolerance range	Reject														
D	1. For table and cabinet ☆ Static loading on surface: Put loading-1.0kgs/dm2(for surface) or 0.4kgs/dm3 (for volume) or 2.9kg/dm (for rail) for 1 hour ☆ Impact loading on top surface (the surface of cabinet shouldn't be more than 1000mm above floor): 10 applicants of 30s, 5~10s between applicants.															
	<table border="1"> <thead> <tr> <th>Table</th> <th>camping</th> <th>Domestic</th> <th>Contract and office</th> </tr> </thead> <tbody> <tr> <td>F2</td> <td>500N</td> <td>750N*</td> <td>1000N</td> </tr> <tr> <td>F3</td> <td>100N</td> <td>200N</td> <td>350N</td> </tr> </tbody> </table>	Table	camping	Domestic	Contract and office	F2	500N	750N*	1000N	F3	100N	200N	350N			
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F2	500N	750N*	1000N													
F3	100N	200N	350N													
	Note: F2 for loading on top On center for size≤1600mm; On two point 400mm center line from center point for size> 1600mm; F3 for loading on extension of top on edge of extension;															
	2. For seating impact:															

	<p>Method: apply force F1 n1 (see table) times on position A and B:</p> <table border="1" data-bbox="231 309 1034 461"> <tr> <td>Table :</td> <td></td> <td>camping</td> <td>Domestic *</td> <td>Contract and office</td> </tr> <tr> <td></td> <td>F1</td> <td>1100N</td> <td>1600N</td> <td>2000N</td> </tr> <tr> <td></td> <td>n1</td> <td colspan="3">9cycles of 30 sec+1 cycle of 30 Min</td> </tr> </table> <p>A:175mm away from back edge along centre line; B: 800mm away from front edge along centre line Note: Multi position seat, just test like above per seat simultaneously;</p>	Table :		camping	Domestic *	Contract and office		F1	1100N	1600N	2000N		n1	9cycles of 30 sec+1 cycle of 30 Min					
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	F1	1100N	1600N	2000N															
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	<p>Any defect or loss serviceability was found</p>	Reject																	
E	<p>25kgs of weight fall freely on top centre/corner from 140mm of height for 4 times;</p>																		
	<p>Any defect or loss serviceability was found</p>	Reject																	
F	<p>Stability check:</p> <p>1. For seating</p> <ul style="list-style-type: none"> ☆ Forward stability check: put loading of 600N on top 600mm away from front edge, then pull by force of 20N the edge of seat level in forward direction. ☆ Rearward stability check: loading of 600N on seat and push by force of Max. 80N on backrest. The point of loading is 300mm above seating. <p>2. For table</p> <p>Method: Force F1 (see figure) loading on position 100mm from edge (including extension type)</p> <p>Note: table with parasol: 30N on height of 2200mm of center.</p> <div data-bbox="231 1301 1034 1547">  </div> <p>3. For Cabinet</p> <p>Put loading-0.65kg/dm² and or 0.4kgs/dm³ and /or unload (which depend on which situation the unit is least stability) on surface, then push forward the unit by force-20% mass or 25Nmin, for 1 minute; then load force -20% or 50N on 50mm from the outer edge of door for 1 minute.</p> <p>4. For panel:</p> <p>Put sample on a plane at an angle of 10 degree to the horizontal</p>																		
	<p>Tip over</p>	Reject																	
G	<p>Moisture content check:</p>																		
	<p>TIS Normal required 8-12%</p>	Reject																	



6	Carton drop if application (1 carton/item)			
	Critical defect or malfunction or broken carton cannot be shipped.	Reject		
	Wrinkle carton or slightly visual defect on unit such as slightly scratch or deformation which that does not effect on shipment purpose.	Record it in report		
7	Painting / Coating / printing check (3pcs, at least 1 sample/item)			
	Adhesion of paint/ coating/ printing			
	More than 10 out of 100 grids of paint/ power coating are damaged	Reject		
	Printing on unit is peeled off by 3M gummed tape;			

Note: Check the product from 50cm distance,
 if you can see the defect, then class as a major defect.
 if you can't see the defect, then class as a minor defect.

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