

cabinet details & conversion chart

14-02

Doors with Inset Hinging

Wood of any species will expand and contract in direct relationship to the temperature and the humidity of its environment. It is capable of shrinking and/or growing anywhere between a slight, almost imperceptible measure to a drastic and pronounced difference from its original size depending on its surroundings.

For this reason, it is important to realize that whatever controls employed by a manufacturer to retain tolerances, the manufacturer has no control over the final destination of the product and its environment. By using an example, Ovation hopes to demonstrate how regional weather conditions can and will affect any wood product.

HUMIDITY

EXAMPLE: A customer in Florida orders a vanity cabinet in inset styling at the same time a customer in Colorado orders a similar vanity, also with inset styling. The two cabinets are built side-by-side at the Plant and shipped in different directions. Within weeks of installation, the Colorado consumer has a noticeable gap between the frame and the inset doors due to the dry mountain air. In contrast, the Florida consumer notices that sometimes the inset doors on his/her vanity might rub against the frame or the adjoining door when opening or closing.

Like most manufacturers, Ovation strives to maintain strict standards of measurement to optimize the function and aesthetic aspects of its cabinetry. Ovation conforms to tolerance guidelines as accepted by other national manufacturers within the wood industry.

Please turn to page 3-28, for more information about wood's moisture content and its effect on your cabinetry.

Unfinished Cabinetry

STANDARD CABINET INTERIORS

All standard interiors will be the same UV coated veneer core plywoods used in the construction of finished cabinetry. All drawers, rollout shelves, tray dividers, etc. will be sprayed with the same high solids conversion varnish used in finished cabinetry.

SANDING

Doors: All surfaces are progressively sanded smooth starting with #120 grit sandpaper and finished with #220 grit. All doors and drawer fronts are then sanded on their faces, with a fladder sander using #180 grit sandpaper.

Face Frames: All face frames, fillers, solid stock, valances, etc. are machine sanded utilizing #150 grit and #180 grit sanding belts in succession. Fine cross-grain scratches will be noticeable on face frame rails and stiles, depending on the orientation of the face frame on the feed belt of the sander.

Veneer Panels: Including finished ends, refrigerator end panels, loose plywood panels, MVI interiors, etc., are pre-sanded by the supplier utilizing similar progressive sanding grits, as with the doors and drawers.

Decorative Mouldings: Crown mould, furniture base mould, outside corner mould, etc, are sanded by a #120 grit abrasive wheel as they leave the moulding machine.

RECOMMENDED SANDING prior to job-site finishing

1. We recommend using the same #180 grit sanding discs used in our factory, to sand doors, face frames, veneer panels and decorative mouldings.

2. Face frames should be inspected under a light source to ensure that all cross-grain sanding lines are removed. Edges of face frames with finished ends applied should also be sanded to remove moulder knife marks.

continued

RECOMMENDED SANDING prior to job-site finishing (*continued*)

3. All veneered plywoods should be lightly sanded to remove any burnish marks that can appear as a result of packaging, handling, and installation. Use caution when sanding the edges of plywoods, as it is easy to sand through the veneer and into the substrate.

4. Doors and drawer fronts should require only minimal sanding, as there are no vertical sanding lines on the rails or stiles. Small imperfections and burnish marks are the primary things to inspect for when sanding.

OVATION CABINETRY does not warrant the performance of any job-site finished cabinetry. In addition, any warpage or expansion and contraction of door panel inserts and/or stile and rail joints are the responsibility of the customer and finish contractor. For best results, all unfinished cabinetry should be prep sanded and finished as soon as possible after delivery. Storage, prior to finishing, should be in a climate-controlled area with adequate humidity to prevent shrinking and cracking of solid wood components.

Dealer

Purchase Order Number

Client's Signature

Date

14-06 cabinet details conversion chart

CONVERSION CHART					
fractions	inches	mm	fractions	inches	mm
1/64	0.0156	0.3969	33/64	0.5156	13.097
1/32	0.0313	0.7938	17/32	0.5313	13.494
3/64	0.0469	1.191	35/64	0.5469	13.891
1/16	0.0625	1.588	9/16	0.5625	14.288
5/64	0.0781	1.984	37/64	0.5781	14.684
3/32	0.0938	2.381	19/32	0.5938	15.081
7/64	0.1094	2.778	39/64	0.6094	15.478
1/8	0.1250	3.175	5/8	0.6250	15.875
9/64	0.1406	3.572	41/64	0.6406	16.272
5/32	0.1563	3.969	21/32	0.6563	16.669
11/64	0.1719	4.366	43/64	0.6719	17.066
3/16	0.1875	4.763	11/16	0.6875	17.463
13/64	0.2031	5.159	45/64	0.7031	17.859
7/32	0.2188	5.556	23/32	0.7188	18.256
15/64	0.2344	5.953	47/64	0.7344	18.653
1/4	0.2500	6.350	3/4	0.7500	19.050
17/64	0.2656	6.747	49/65	0.7656	19.447
9/32	0.2813	7.144	25/32	0.7812	19.844
19/64	0.2969	7.541	51/64	0.7969	20.241
5/16	0.3125	7.938	13/16	0.8125	20.638
21/64	0.3281	8.334	53/64	0.8281	21.034
11/32	0.3438	8.731	27/32	0.8438	21.431
23/64	0.3594	9.128	55/64	0.8594	21.828
3/8	0.3750	9.525	7/8	0.875	22.225
25/64	0.3906	9.922	57/64	0.8906	22.622
13/32	0.4062	10.319	29/32	0.9063	23.019
27/64	0.4219	10.716	59/64	0.9219	23.416
7/16	0.4375	11.113	15/16	0.9375	23.813
29/64	0.4531	11.509	61/64	0.9531	24.209
15/32	0.4688	11.906	31/32	0.9688	24.606
31/64	0.4844	12.303	63/64	0.9844	25.003
1/2	0.5000	12.700	1	1	25.400