

Hardwood/Veneer Frameless Cabinet

CONSTRUCTION DETAILS

CERTIFIED MATERIAL SPECIFICATIONS

- All veneer core plywood, industrial grade particleboard and MDF are CARB-certified (California Air Resource Board) and EPP-certified (Environmentally Preferable Product). Certification is from the Composite Panel Association (CPA). Hardwood plywood, particleboard and MDF meet CPA EPPS 002-06 standards. Hardwood plywood panels meet ANSI/HPVA HP-1 and adhere to the Sustainable Forestry Initiative (SFI). Panels are certified to the CARB ATCM 93120 Phase 2 emission limit.

CABINET BOX CONSTRUCTION

- Sides, shelves, tops and bottoms are 3/4" stock and are assembled using 8mm hardwood dowels. Backs are 1/4" MDF (medium density fiberboard) and are dadoed into sides, tops and bottoms being fully encased after assembly. Back is inset into cabinet 5/8" and has a plywood strip attached to exterior for wall attachment. Boxes are squared and pressed together using case clamping. Box sides are line drilled with 5mm holes on 32mm centers for shelf pegs and integrated 32mm type hardware. Shelf fronts are banded with matching 1 mm PVC impact resistant bumper edging. Base shelves are full depth.

CABINET BACKS

- Component is 1/4" MDF core overlaid on cabinet interior with matching cold-rolled melamine paper or hardwood veneer.

CABINET INTERIOR OPTIONS

- Thermally-fused Melamine Maple (TMMI™): Components (except finished ends) are industrial particle board core and overlaid with thermally-fused melamine (low-pressure lamral maple grain print. Finished ends are hardwood veneered on the exterior with a cold-rolled matching maple grain melamine paper on the interior.
- Maple Hardwood Plywood Interior (MHPI™): Check with factory for availability and pricing.

CABINET EXTERIORS

- Cabinet finished sides can be ordered with Veneered Finished End, Attached End Panel, Finished End with Decorative Door, Attached Five Piece End Panel or Attached End with Beaded Panel. Unfinished sides are overlaid with a neutral color thermally-fused melamine backer.

BOX BANDING OPTIONS

- 1 mm wood veneer banding; finished to match cabinet exterior.
- 1 mm matching PVC banding.

DOOR AND DRAWER FRONTS

- Door and drawer fronts are constructed with select 3/4" kiln dried hardwood and/or select hardwood veneers over 3/4" particleboard and MDF cores.

DRAWER BOX OPTIONS

- **Metal Drawer:** Grass® Nova Pro P920 steel drawer system. Double-walled, steel drawer sides in a fingerprint resistant metallic finish. 5/8" TMMI™ or TMWI™ bottom and back. Available with integrated railing and divider system for deeper drawers.
- **Dovetailed Drawer:** 5/8" birch hardwood assembled with dovetailed joints. Drawer bottoms are 1/4" MDF core matching hardwood veneer glued and encased into dadoed sides and backs. Boxes are finished with a clear catalyzed conversion varnish.
- **Doweled Drawer:** 5/8" MDF core with TMMI™ or TMWI™ overlayed both sides. Top edge banded with .5mm PVC banding. Assembled with hardwood dowels. Bottoms are 1/4" MDF core with matching face, glued and encased into dadoed sides and backs.

DRAWER SLIDE OPTIONS

- **Premium Grade Standard Duty.** Grass® Dynapro Full Extension slide with Integrated Soft-Close. Slide features a full extension synchronized mechanism. Easy to open with low pull-out force. Slides are fully concealed with easy drawer box removal. Superior stability for drawers up to 42" wide. Dynamic load rating 88lbs (40kg).
- **Premium Grade Heavy Duty** Grass® Dynapro Full Extension Heavy Duty slide with Integrated Soft-Close. Slide features a heavy duty build with full extension synchronized mechanism. Easy to open with low pull-out force. Slides are fully concealed with easy drawer box removal. Superior stability for drawers up to 48" wide. Dynamic load rating 132lbs (60kg).
- **Architectural Grade Standard Duty.** Grass® Elite Full Extension slide with Integrated Soft-Close air damping system. Slide features a full extension precision made, smooth-running synthetic roller carriage. Slides are fully concealed with easy drawer box removal. Dynamic load rating 80lbs (36kg). Exceeds ANSI/ BHMA 156.9, Grade 1.
- **Grass® Epoxy-coated self-closing slides.** Slides are 1/2" side clearance, single extension with nylon rollers.

ROLL-OUT SLIDE

- **Architectural Grade Standard Duty.** Grass® Elite Full Extension slide with Integrated Soft-Close air damping system. Slide features a full extension, precision made, smooth-running synthetic roller carriage. Slides are fully concealed with easy drawer box removal. Dynamic load rating 80lbs (36kg). Exceeds ANSI/ BHMA 156.9, Grade 1.
- **Premium Grade Standard Duty.** Grass® Dynapro Full Extension slide with Integrated Soft-Close. Slide features a full extension synchronized mechanism. Easy to open with low pull-out force. Slides are fully concealed with easy drawer box removal. Superior stability for drawers up to 42" wide. Dynamic load rating 88lbs (40kg).



HINGE

- Grass® Tiomos Soft-Close European-type arm hinge. Two piece hinge and mounting plate. Easy snap-on snap-off hinge from plate. Three dimensional adjustability with 120° opening. Soft close mechanism is fully integrated and concealed in the hinge arm. Closing process is extremely smooth and has field tension adjustability.

- Grass® Tiomos Self-Close European-type arm hinge. Two piece hinge and mounting plate. Easy snap-on snap-off hinge from plate. Three dimensional adjustability with 120° opening.

FINISH

- All stained and finished woods have a high quality hand-wiped stain coated with high solids conversion sealer and conversion varnish top coats.

