

# High Pressure Laminated Frameless Cabinet

## CONSTRUCTION DETAILS

### CERTIFIED MATERIAL SPECIFICATIONS

- All industrial grade particleboard and MDF are (ARB-certified (California Air Resource Board) and EPP-certified (Environmentally Preferable Product). Certification is from the Composite Panel Association (CPA). Particleboard and MDF meet CPA EPPS 002-06 standards. Hardwood plywood panels if used 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" industrial particleboard 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 EXTERIORS

- Exposed cabinet sides, door and drawer fronts are laminated with a high pressure laminate (i.e. Formica, Wilson-Art). Laminate is adhered to substrate using a high solids contact adhesive.

### CABINET BACKS

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

### CABINET INTERIOR OPTIONS

- Thermally-fused Melamine Maple (TMMI™): Components are made from thermally-fused melamine panels (low-pressure laminate) with a natural maple print.
- Thermally-fused Melamine White (TMWI™): Components are made from thermally-fused melamine panels (low-pressure laminate) in a carnation white color. Thermally-fused melamine is a melamine saturated paper that is thermally bonded under heat and pressure to the particleboard substrate. Properties are similar to high pressure laminates. Thermally-fused melamine panels provide affordability and superior resistance to surface wear, common household chemicals, water and staining.

### BOX BANDING OPTIONS

- 1 mm matching PVC banding.

### DOOR AND DRAWER FRONT OPTIONS

- High pressure laminated 3/4" particleboard core fronts with 1 mm PVC banded edges.
- High pressure laminated 3/4" particleboard core fronts with .5mm PVC banded edges.

### 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.
- **Doweled Drawer:** 5/8" MDF core with TMMI™ or TMWI™ overlaid both sides. Top edge banded with

1 mm PVC banding. Assembled with hardwood dowels. Bottoms are 1/4" MDF core with matching melamine face, glued and encased into dadoed sides and backs.

- **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.

### 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).
- Grass® Nova-Pro P920 steel drawer system includes premium full extension soft close slides. Load capacity: 88 lbs. Also available for upgrade to Heavy Duty with dynamic load capacity of 154 lbs.

- Grass® Epoxy-coated self-closing slides. Slides are 1/2" side clearance, single extension with nylon rollers.

### ROLL-OUT SLIDE

- 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 OPTIONS

- 5 Knuckle: Hospital grade overlay hinge. Free swinging hinge, doors have magnetic catch. Conforms with BHMA/ANSI Tested Grade 1. Available in five finishes: Satin Black, Matte Chrome, White, Bright Brass and Stainless Steel.
- Grass® Tiomos 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.

