



Construction Standards

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**.1 Typical Cabinetry**

- .1 Typical cabinet construction shall be 19mm Baltic Birch plywood, G2S.
- .2 Endangered wood species must not be used. Sustainable and certified wood species are preferred. Encouraged materials are as follows: Ash, Birch, Cherry, Cypress, Hemlock, Magnolia, Oak, Pine, Spruce, Sycamore, or Walnut.
- .3 Solid wood and veneer materials are acceptable; maple or birch. Confirm with FMGT quality requirements for specific locations.
- .4 The use of mechanical fasteners is preferred over adhesives.
- .5 Maximize recycled content.
- .6 Drawer construction to be minimum 12 mm (1/2") plywood (Birch or Apple).
- .7 Edge banding: Solid 6 mm (1/4") birch or same species as veneer when hardwood veneer is used.
- .8 Standard Finish: Clear

**.2 Laboratory Cabinetry**

- .1 Wood to be used only with approval from FMGT. Preference is for pre-fabricated metal casework with factory finishes.
- .2 Provide a 50 mm clear plastic lip at the front of all shelving used for chemical storage to avoid spillage.
- .3 Design for vibration control.

**.3 Typical Countertops / Work Surfaces**

- .1 Materials
  - .1 High pressure plastic laminates (1 1/8" min. thickness)
    - .1 Application: Administration areas, Staff lounges and kitchen areas, general purpose surfaces.
    - .2 General Purpose or High Wear to suit application:
      - .1 1.20mm thick: Flatwork, Countertops
      - .2 1.00mm thick: Vertical surfaces (backsplashes) and postforming work
      - .3 0.75mm thick: Backing sheets
    - .3 Provide finished surface (or backer sheet when concealed) on all surfaces of the core
    - .4 1 1/8" minimum thickness
    - .5 MDF shall be the typical core material
    - .6 Plywood core to be used in the following locations:
      - .1 Counterops with plumbing
      - .2 High humidity and moisture locations
      - .3 Food service areas
    - .7 Edging: Solid surface, laminate rolled edge, or PVC T Mold Edge (confirm with FMGT)
  - .2 Stainless Steel (minimum 14 ga. grade 304)
    - .1 Application: Food preparation areas.
  - .3 Solid cast epoxy resin (ie. Corian)
    - .1 Application: Washrooms

**.4 Laboratory Countertops / Work Surfaces**



**Construction Standards**

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- .1 Design to minimize joints. Where possible, tops to be continuous with no open seams
- .2 Surfaces to be integral with backsplash
- .3 All edges to be rounded
- .4 Acceptable materials (Confirm selection requirements with FMGT):
  - .1 Solid cast epoxy resin.
  - .2 Stainless steel (minimum 14 ga grade 304) (mandatory for Containment Level 4 labs).
  - .3 Resin-impregnated natural stone.
  - .4 Laboratory grade plastic laminate (1 1/8" min. thickness)