Besco™
MANAGING SPACE

HPL Lockers

Breaking away from conventional metal lockers, BESCO™ lockers explores the possibilities in the usage of High Pressure Laminated (HPL) compact boards. Unlike conventional lockers made of wood, metal or plastic which are more prone to rot, corrosion and vandalism, HPL lockers are amazingly durable.

Our 100% HPL compact board allows the lockers to be highly customized to suit our user requirements. From an extensive range of colours for selection, customisable dimensions, accessories combination to design requirements, HPL lockers are no doubt the best choice to fulfil your storage needs.

BEScube System

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General

BESCO™ supply and install^ HPL Lockers System, which is highly resistant against water, chemical and impact.

Materials

Accessories shall be made of either stainless steel grade 304 or alloy and all hardware/fittings shall be made of anodised aluminium grade 6063-T5 (natural anodised coloured). The accessories and hardware/fittings shall be designed with BESCO™'s features.

HPL compact boards are manufactured from sheets of special kraft and decor papers, impregnated with thermosetting synthetic resins, fused together under heat and high pressure. HPL compact board has laminates on both sides with either matt finish or textured finish. The performance of the board is tested according to BS EN Standards and has the following rating:

▶ Boiling Water (EN438-7) : 8.4 (Within max. 11.5)
▶ Fire Rating (EN476-6/7) : Class 1 (meet min. 1)
▶ Impact (EN438-11) : 2.8 Newton (exceed min. 2.0)
▶ Stain (EN438-15) : 5 (exceed min. 4)
▶ Scratch (EN438-2) : 4 Newton (exceed min. 2.0)

It is a natural occurrence under various climatic conditions that HPL compact boards may undergo dimensional changes of tolerance differences within ±5mm.

HPL compact boards used in our systems are certified by Singapore Environment Council with Singapore Green Label.

Doors

All doors shall be either 9mm or 12mm thick solid compact board. Hinges shall be recessed fixed onto the doors and affixed onto the Aluminium Front Square Channel, 30mm x 26mm (cross-section dimension, L x B). Air ventilation Holes (customisable to designs) or Ventilation Cover is available upon request.

Internal Shelves

All shelves shall be white in colour, 9mm thick solid compact board. The internal shelves shall be secured to the internal vertical panels and supported by the Semi-round Channels, 13.3mm x 21.5mm (cross-section, L x B).

Back and Side Panels

All back and side panels shall be white in colour, 3mm thick HPL compact board. All panels will be inserted into the aluminium interlocking support frames comprised of Square Front Channels, 30mm x 26mm (cross-section dimension, L x B) and Back Square Channels, 13.3mm x 21.5mm (cross-section dimension, L x B).

Top Cover and Bottom Base

All top and bottom base shall be white in colour, 9mm thick HPL compact board. All top covers and bottom bases shall be affixed onto the aluminium interlocking supporting frames.

Accessories

Each locker compartment will be equipped with the following accessories:
▶ BESCO™ Stainless Steel Hinges (concealed and allow door swing up to 90°).
▶ BESCO™ Choice of cylinder lock or hasp lock with polish chrome finish. Coin Return and Number lock is available upon request.

▶ BESCO™ Aluminium interlocking support frame comprises of Aluminium Back and Front Square Channel with Semi-round Channels.
▶ BESCO™ Chrome Pipe Holder for hanging clothes available upon request (Clothes hanger is not provided).
▶ BESCO™ 'D' Number Plate with stickers for numbering lockers (Rectangular Number Plate with engraving is available upon request).

Compartment's Dimension

The recommended locker size per column is 300mm by 500mm by 1800mm (L x D x H):
▶ Door shall be either 9mm (applicable to door's height 600mm & below) or 12mm thick HPL compact laminate.
▶ Back and side panels shall be 3mm thick HPL compact laminate.
▶ All shelves shall be of 9mm thick HPL compact board.
▶ Top and bottom base shall be of 9mm thick HPL compact board.
▶ Customisation to requirement is available upon request.
▶ Choice of locker systems: 1-tier, 2- tier, 3-tier, 4-tier, 5-tier and Z-tier.

Finishes

HPL compact boards are available in a variety of brilliant colours, woodgrains and tactile patterns. For surface finishes, you have the choices of matt or glossy. New 'MicroDot' tactile finish is available upon request.

Installation

Installation will be executed under the supervision of BESCO™'s site supervisor(s) and shall be carried out in accordance with BESCO™ installation instructions.

Part Numbers

01. Chrome Padlock (Hasps) with Stopper and Cam (pad lock, self provide)

02. Cam Lock 23mm
02b. Cam Lock 28mm

03. Keyless Security Number Lock 4 Digits

04. Coin Return (coin collect available upon request)

05. Cylinder Lock

06. SS Ventilation Cover (dia-53mm)

07a. Nylon 'D' Number Plate (c/w sticker numbering)
07b. Rectangular Plate (Available upon request) (locker number range to be provided before order)

08a. SS Hinges
08b. Alu Semi-Round Channel (4000mm)

09a. Alu Front Square Channel (3660mm)
09b. Alu Back Square Channel (3660mm)

10. SS Bracket

11a. Chrome Pipe Holder
11b. Chrome Pipe (3650mm)

12. Rubber Lining (1830mm)

Besco Lockers Range Exterior

Besco Lockers Range Interior

Section Y-Y

eco green

▶ Top, bottom panels and shelf available in 9mm only. Back and side panels available in 3mm only. Door available in 9mm or 12mm.
▶ Aluminium is available in only natural anodized finishing.
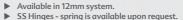 Represents the Lock comes with Master Key.

▶ Available in 12mm system.
▶ SS Hinges - spring is available upon request.

Formica® Compact® Grade Laminates are certified by Singapore Environment Council with Singapore Green Label.