

Counters

Introduction

Our counters are designed to meet the highest standards of quality and durability, combining the best materials and innovative design to suit a variety of applications. Counter parts combining a different materials like Medium-Density Fiberboard (MDF), plywood, steel sheet, and high-pressure laminate (HPL) finishes, our counters are suitable for both residential and commercial environments. This data sheet provides a comprehensive overview of our counters, including their application, types, material specifications, dimensions, assembly, installation, and warranty.

Application

Our counters are versatile and can be used in a variety of settings, including:

- **Residential:** Kitchens, bathrooms, and laundry rooms.
- **Commercial:** Offices, retail spaces, reception areas, and healthcare facilities.
- **Hospitality:** Hotels, restaurants, and bars.
- **Educational:** Schools, universities, and libraries.
- **Healthcare:** Clinics, hospitals, and laboratories.
- **Industrial:** Workshops, manufacturing facilities, and clean rooms.
- **Public Spaces:** Airports, train stations, and government buildings.

These counters are designed to withstand heavy use while maintaining their aesthetic appeal, making them ideal for both functional and decorative purposes.

Counters' Shapes

- 1- **Straight Counter**
A simple, linear counter that provides a continuous work surface or service area.
- 2- **L-Shaped Counter**
A counter with a right-angle shape, ideal for creating distinct work zones or maximizing corner space.
- 3- **U-Shaped Counter**
A counter that wraps around three sides, offering ample workspace and storage.
- 4- **Island Counter**
A freestanding counter, typically placed centrally in a room, providing additional workspace or serving as a focal point.
- 5- **Corner Counter**
Designed to fit into the corner of a room, this counter optimizes space and can be L-shaped or rounded.
- 6- **Curved Counter**
A counter with a smooth, rounded edge, adding a modern aesthetic and allowing for better flow in high-traffic areas.
- 7- **Peninsula Counter**
Similar to an island counter but connected to a wall or other surface on one side.
- 8- **Semi-Circle Counter**
A counter with a half-circle shape.
- 9- **High Bar Counter**
Typically, higher than standard counters, often curved or straight.
- 10- **Multi-Tiered Counter**
A counter with multiple levels or tiers, providing varied heights for different tasks.

Types Of Counters

Based on Structural Support

1- **Wooden Chassis Counters**

Constructed with a robust wooden frame for support.

Suitable for office workstations, kitchen counters, and study tables.

2- **Metal Chassis Counters**

Built with a sturdy metal frame.

Ideal for laboratory workbenches, industrial workstations, and heavy-duty applications.

Based on Usage

1. **Single-Person Counters**

Designed for individual use.

Typically used in offices, study rooms, and single workstation setups.

2. **Multi-Person Counters**

Accommodate multiple users.

Common in office environments, laboratories, and shared workspaces.

Based on Function

1. **Standard Counters:** Basic counters with a plain surface.

2. **Storage Counters:** Counters with integrated storage cabinets, featuring adjustable shelves and hinged doors.

3. **Custom Counters:** Customizable options to meet specific design and functional requirements.

Storage Solutions (if applicable)

- **Drawers**

Available in various sizes and configurations.

Provide organized storage for personal items, office supplies, and documents.

- **Cabinets**

Offer larger storage spaces for equipment, files, and other materials.

Can be fitted with locks for added security.

- **Shelves**

Adjustable or fixed shelves for additional storage.

Ideal for books, reference materials, and frequently used items.

Material Specifications

Wooden Parts

Option 1

- **Material:** Medium-Density Fiberboard (MDF)
- **Standard:** MDF-E1 according to European standard EN 13986
- **Density:** 600 to 800 kg/m³, depending on product specifications
- **Certifications:** Low formaldehyde emissions certified by CATAS laboratories, FSC certified for sustainable forestry.'

Option 2

- MDF Thickness tolerances: Here the thickness expresses the total thickness of the raw
- Chip board and the coatings of both surfaces of the board. Resistance to scratching:
- Does not include the pearlescent surface treatment. Color matching and surface
- texture: A slight deviation of color and / or surface texture according to Rating4 EN14323
- between the test sample and Kastamonu reference sample. TOLERANCES ON
- NOMINAL DIMENSIONS*1-THICKNESS COMPARED TO RATED VALUES-THICKNESS t
- RELATIVE TO NOMINAL VALUE EN 14323 mm $t_{max} - t_{min} \leq 0,6$ LENGTH AND WIDTH EN
- 14323 mm ± 5 EDGE DAMAGE EN 14323 mm ≤ 10 SURFACE DEFECTS EN 14323
- mm²/m² points ≤ 2 SURFACE DEFECTS EN 14323 mm/m² line ≤ 20 RESISTANCE TO
- SCRATCHING*2 EN 14323 N $\geq 1,5$ RESISTANCE TO CRACKING EN 14323 Rating ≥ 3
- RESISTANCE TO STAINING EN 14323 Rating ≥ 3 RESISTANCE TO ABRASION EN 14323
- Revolution Pattern Class 1 < 50 Plain Class 3A ≥ 150 EN 12460-3 mg /m²h E1 for $\leq 3,5$ E2
- for $3,5 < release \leq 8$ FORMALDEHYDE RELEASE EN 717-1 mg/m³ air E1 for $\leq 0,124$ E2 for
- $\geq 0,124$

- **Material:** Plywood
- **Standard:** EN 636 for general purpose plywood, EN 314 for bonding quality
- **Density:** 500 to 700 kg/m³, depending on product specifications, and manufacturing process.
- **Certifications:** FSC certified for sustainable forestry, CARB Phase 2 compliant for low formaldehyde emissions.

- **Material:** Hardwood
- **Standard:** EN 350 for durability classification
- **Density:** 600 to 900 kg/m³.

- **Material:** Softwood
- **Standard:** EN 350 for durability classification
- **Density:** 400 to 600 kg/m³.

Metal Parts

- **Material:** Steel Sheet
- **Standard:** According to European standard EN 10131
- **Coating:** Epoxy polyester, hybrid system for indoor applications
- **Properties:** Corrosion and wear resistance

Standards for powder coating according to:

Gloss capacity EN-ISO 2813

Impact test EN-ISO 6272

Bend test EN-ISO 1519

Cross cut test EN-ISO 2409

PSD: EN-ISO-13320

Film thickness EN-ISO 2360

Laminate Covering

- **Material:** High-Pressure Laminate (HPL)
 - **Brand:** Egger or equivalent
 - **Standard:** According to EN 438 for decorative high-pressure laminates
 - **Density:** Approximately 1350 kg/m^3 , depending on the product specifications
 - **Certifications:** FSC certified for sustainable forestry, GREENGUARD Gold certified for low chemical emissions, PEFC certified for sustainable forest management
 - **Finish:** Various finishes (textured or smooth)
 - **Properties:** Durable, scratch-resistant, and easy to clean
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- **Material:** Compact Laminate
 - **Brand:** Formica® or equivalent
 - **Standard:** According to EN 438-4 for compact laminates
 - **Density:** Approximately 1450 kg/m^3
 - **Certifications:** FSC certified, GREENGUARD Gold certified for low chemical emissions
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- **Material:** Melamine Faced Board
 - **Brand:** Kronospan® or equivalent
 - **Standard:** According to EN 14323 for melamine-faced boards
 - **Density:** Approximately 700 kg/m^3
 - **Certifications:** FSC certified, PEFC certified

Solid Surface

Option 1

- **Material:** Solid Surface Material (Corian®)
- **Brand:** DuPont™ Corian® or similar
- **Standard:** Complies with ISO 19712 for solid surface materials
- **Density:** Approximately 1.7 g/cm^3
- **Certifications:** GREENGUARD Gold certified for low chemical emissions, NSF/ANSI 51 certified for food contact, and SCS Global Services certified for indoor air quality
- **Properties:** Non-porous, seamless, and hygienic surface

Option 2

Polyurethane Paints:

Polyurethane Paints for wood are including topcoats, sealers, and varnishes designed for exceptional durability. These high-performance coatings are according to standards ISO 12944 and ASTM D3363, ensuring superior resistance to abrasion. They ensure long-lasting color retention and gloss,

maintaining the pristine appearance of surfaces even under harsh conditions. two coats of PU Sanding sealer are applied, followed by two coats of PU Surfacer, followed by two coats of PU Topcoat of the color chosen.

Dimensions

Option 1

Our counters can be customized to fit project requirements.

Option 2

OVER ALL WIDTH 1400 mm
OVER ALL DEPTH 590 mm
OVER ALL HEIGHT 1040 mm
Desk HEIGHT 850 mm

ELECTRIFICATION

Power box on the worksurface consisting of 1 x 230 V, 1 x USB, cut out table to have finished metal edge

Black power strip and spring assisted soft-close lid in silver finish

Cable tray mounted on the underside of table to guide cables underneath the table top

Wiring tower, for cables to run from the floor box to the power box

Assembly / Installation

The counters come as separate parts unassembled (assembly and install by mobica team).

Warranty

This product is covered by a one-year limited warranty against manufacturer defects.

Certifications

ISO 9001:2015

Quality management systems — Requirements

ISO 14001:2015



Environmental management systems — Requirements with guidance for use

ISO 45001:2018

Occupational health and safety management systems — Requirements with guidance for use