

NAJIB BUILD MAINT

INNOVATIVE DECORATIVE GRILLS & SCREENS

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NID-021

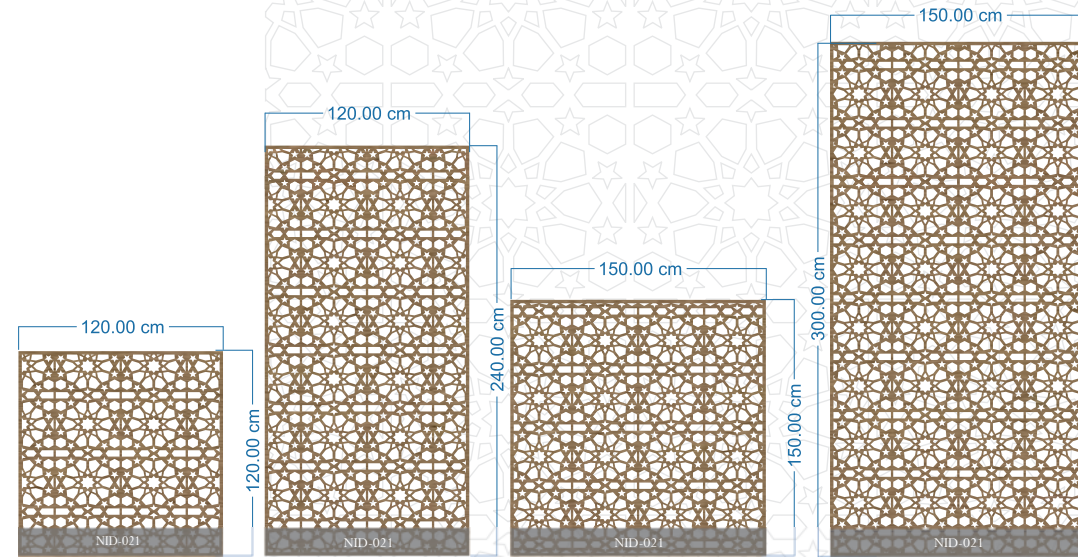
ALUMINUM
STAINLESS STEEL
COPPER
BRASS
MDF
MR MDF
PLYWOOD
ACRYLIC
COMPOSITE PANELS
PVC FOREX
GYPSUM

CNC CUT
LASER CUT
WATERJET CUT

UNDERSTANDING YOUR REQUIREMENTS

When designing your next architectural element kindly consider the following order to optimize your efforts

- Indoor or outdoor location
- Weight consideration
- Material type: Aluminum, Stainless Steel, Copper, Brass, MDF, Plywood.
- Material Thickness
- Overall Size
- Type of fitting required
- Number of Pieces
- Finish Requirement: Powder Coated, Electroplated brush, Anodized
- Mounting Type: Flush or Raised.
- Mounting Location: Floor, Wall, Building Façade, Fence, Balcony,



MATERIAL THICKNESS

| | |
|---------------------|--|
| Aluminum Alloy 1100 | 1.8mm, 2.8mm, 3.8mm, 4.8mm, 5.8mm, 7.8mm, 9.8mm, 12mm & 16mm |
| Stainless Steel 304 | 0.5mm, 0.7mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2mm & 3mm |
| Copper & Brass | 0.5mm to 6mm |
| MDF | 2.8mm, 3.8mm, 5.8mm, 8.8mm, 11.8mm, 14.8mm, 17.8mm & 25mm |
| MR MDF | 6mm, 9mm, 12mm & 18mm |
| Plywood | 3mm, 4mm, 6mm, 9mm, 12mm, 15mm, 18mm & 22mm |
| Acrylic | 0.5mm, 1mm, 1.5mm, 2mm, 2.8mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm, 12mm |
| Composite panels | 3mm, 4mm |
| Pvc Forex | 1mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 15mm, 20mm |

MATERIAL SIZES AVAILABLE

| | |
|------------------|--|
| Aluminum | 1200 x 1200mm, 1500 x 1500mm, 1200 x 2400mm, 1500 x 3000mm |
| Stainless Steel | 1200 x 1200mm, 1200 x 2400mm |
| Copper & Brass | 1200 x 1200mm, 1200 x 2400mm |
| MDF | 1200 x 1200mm, 1500 x 1500mm, 1200 x 2400mm, 1500 x 3000mm |
| MR MDF | 1200 x 1200mm, 1200 x 2400mm |
| Plywood | 1200 x 1200mm, 1200 x 2400mm |
| Acrylic | 1200 x 1800mm, 1200 x 2400mm |
| Composite Panels | 1200 x 2400mm, |
| Pvc Forex | 1200 x 2400mm, |

Above given sizes are standard sheet sizes, customized sizes are also available on request

TECHNICAL SPECIFICATION

MDF

Medium Density Fiberboard is an engineered wood panel product. It is specially manufactured for furniture & joinery works. The overall strength & smooth surface of MDF make it suitable for painting to achieve high quality finishing.

| Mechanical | Unit | Thk |
|---------------------------|-----------------------|---------|
| Density | kg/m ³ | 700-740 |
| Density tolerance | ±0.2 | >12-19 |
| Weight | Weight | 32-39 |
| Internal Bending strength | Kg/Sheet | 2300 |
| Thickness swelling rate | Ave | 10 |
| Moisture Content | %Max | 6-6.5% |
| Static bending Strength | | 20 |
| Modulus Of Elasticity | N/mm ² Ave | 2100 |
| Screw Holding Strength | N/mm ² Ave | 1000 |

All tests are carried out under standard and optimum conditions
Above technical data is provided by supplier NID UAE doesn't hold any responsibility of inaccuracy of data.

MR-MDF

Moisture resistance MDF is an ideal subtract for any areas where moisture and high humidity is present. Its main characteristics produced from melamine resin system are an increased in dimensional stability or lower thickness swelling.

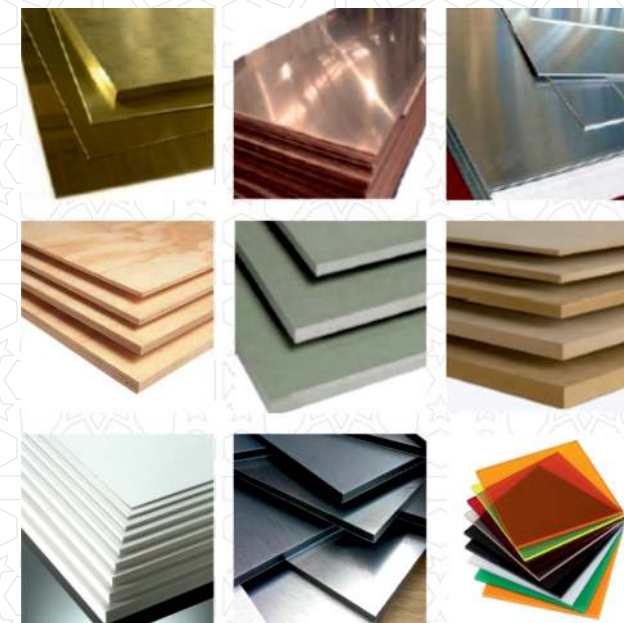
| Mechanical | Unit | Thk |
|---------------------------|-----------------------|---------|
| Density | kg/m ³ | 700-740 |
| Density tolerance | ±0.2 | >12-19 |
| Weight | Kg/Sheet | 32-39 |
| Internal Bending strength | Ave | 2300 |
| Thickness swelling rate | %Max | 7 |
| Moisture Content | | 5-8% |
| Static bending Strength | N/mm ² Ave | 24 |
| Modulus Of Elasticity | N/mm ² Ave | 2400 |
| Screw Holding Strength | N/mm ² Ave | 1050 |

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ALUMINIUM ALLOY 1100-H14

Aluminum Alloy 1100 is the most popular grade of aluminum for general purpose sheet metal works where moderate strength is the requirement. AA 1100 is also known for its excellent corrosion resistance, high ductility & reflective finish.

| MECHANICAL PROPERTIES | |
|-----------------------------|-----------------------|
| PROOF STRESS | 75 min Mpa |
| Tensile strength | 110-125MPa |
| Elongation at | 50mm 5 min% |
| Hardness Brinell | 32 HB |
| General Physical properties | |
| Density | 2.71g/cm ³ |
| Melting point | 643-657 C |
| Thermal Expansion | 23.6 x 10/k |
| Modulus Of elasticity | 69 GPa. |
| Thermal Conductivity | 222 W/m.k |
| Electrical Resistivity | 0.029 z 10.m |
| CHEMICAL COMPOSITION | |
| Silicon + iron (Si+Fe) | 1.0 |
| Copper (Cu) | 0.05-0.20 |
| Manganese (Mn) | 0.0-0.05 |
| Zinc (Zn) | 0.0-0.10 |
| Others (total) | 0.15 |
| Others Each | 0.05 |
| Aluminum (AL) | Balance |

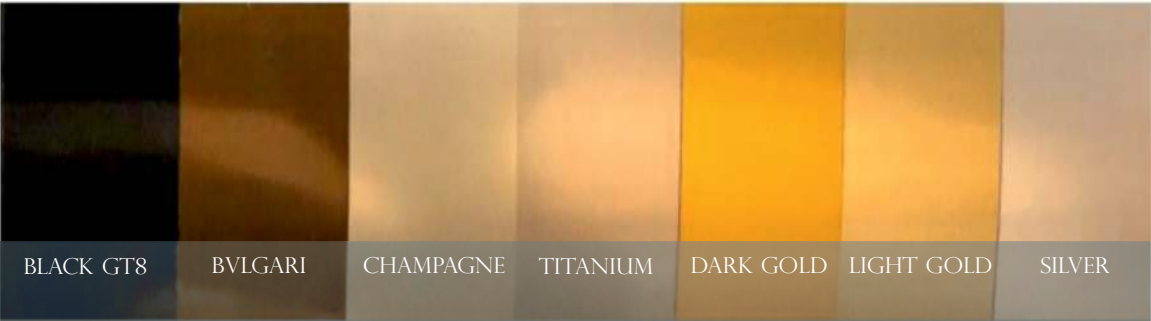




DECORATIVE SCREEN FINISHES

ANODIZING

Anodizing is a method for changing the surface chemistry of metal. It protects against corrosion, enhances aesthetic qualities, resists scratches and is one of the most durable surface finishes



GOLD, BRASS, BRONZE, COPPER, NICKEL PLATING

Our decorative screens can be finished in Brush, Satin or polished finish depending on client's requirement & recommended for indoor use only. Electro polishing has many finishing, Gold plating, Chrome Plating, Antique brass/bronze



DECO / PU PAINTING

for MDF / MR mashrabiya's best method of providing this is through manual spraying which is available in multitude of colors. we recommend RAL colors. RAL is a European color matching system which defines colors for paint & Coatings.



POWDER COATING

Aluminum is a light weight metal that invariably requires color. The best method of providing this is through powder coating which is available in multitude of colors. We recommend RAL colors RAL is a European color matching system which defines colors for paint & Coatings. RAL Classic is the most famous and widely used system



| | | | | | |
|----------|----------|----------|----------|----------|----------|
| RAL 9001 | RAL 9002 | RAL 9003 | RAL 9004 | RAL 9005 | RAL 9006 |
| RAL 9007 | RAL 9010 | RAL 9011 | RAL 9016 | RAL 9017 | RAL 9018 |
| RAL 9022 | RAL 9023 | | | | |



NID UAE Decorative panels can be used in multiple ways and locations indoor or outdoor at your home, work place or Commercial buildings. There are many options to choose from internal or external screens from thickness, designs and finishes. We always welcome your personal vision or ideas to make a custom piece or design to fit your need and location. Our Residential or commercial decorative panels can be selected from our collection and we offer shipping to locations worldwide.

FENCE PRIVACY DECORATIVE SCREENS

Fences gets more attractive to add privacy with NIDUAE screens adding up lower sound effect and an eye-catching outlook to your exterior walls, Durable no maint. required.

CARPORT & CANOPY DECORATIVE SCREENS

Not just shades its creative and dynamic in shifting the shadows as light moves throughout the day. Make your carport or garden canopy to standout with architectural screens.

WINDOWS & GLAZING DECORATIVE SCREENS

Decorative panels provide imaginative shadow and light pattern throughout summers adding up more privacy and a permanent way than regular curtains.

CLADDING DECORATIVE SCREEN

Bored with plain walls bring your walls to life with our decorative cladding with easy to clean. These panels are designed to withstand weather elements such as rain, heat, snow and reduce high wind impact.

BALCONY HANDRAIL DECORATIVE SCREENS

Our decorative panels can be used indoor or outdoor into railings on stairs or balconies to make plain railing more beautiful and personalized. These panels can keep pets, children and others from falling and creating more safer place with elegance.

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