

NAJIB BUILD MAINT.

## INNOVATIVE, DECORATIVE GRILLS & SCREENS

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

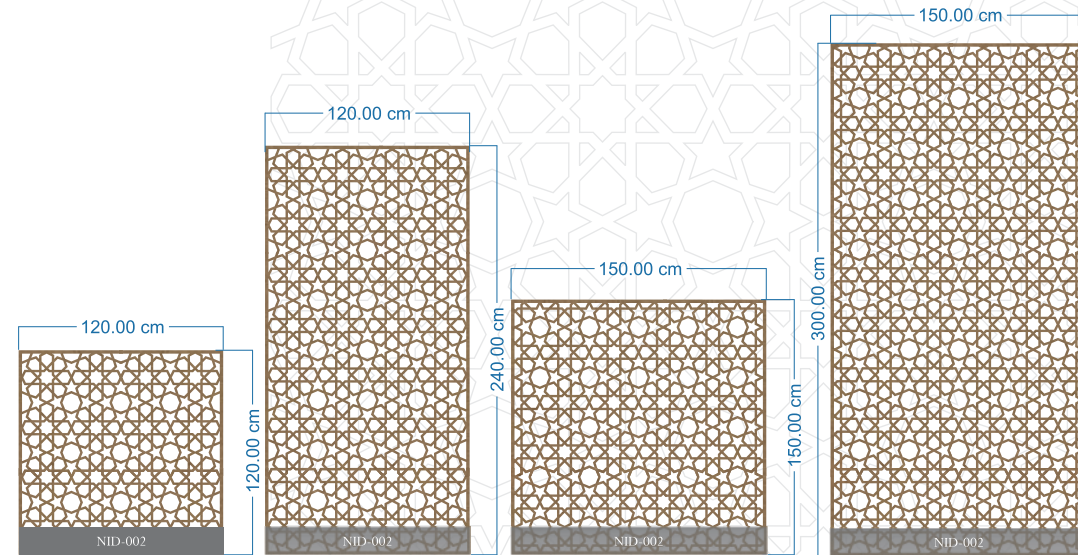
CNC CUT  
LASER CUT  
WATERJET CUT



### 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 <sup>3</sup>	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 <sup>2</sup> Ave	2100
Screw Holding Strength	N/mm <sup>2</sup> Ave	1000

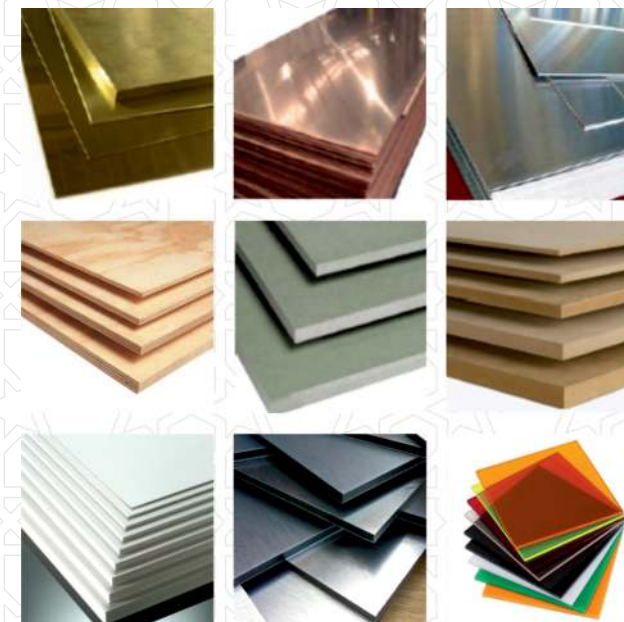
All tests are carried out under standard and optimum conditions  
Above technical data is provided by supplier NID UAE doesn't hold any responsibility of inaccuracy of data.

## 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 <sup>3</sup>	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 <sup>2</sup> Ave	24
Modulus Of Elasticity	N/mm <sup>2</sup> Ave	2400
Screw Holding Strength	N/mm <sup>2</sup> 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 <sup>3</sup>
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

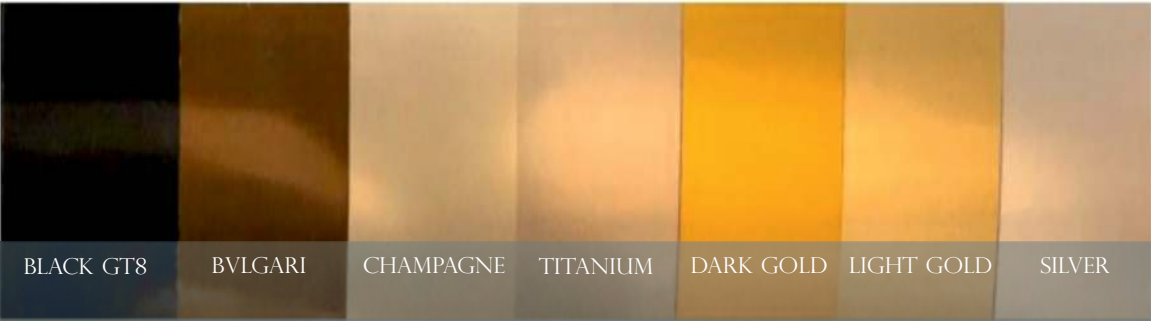




DECORATIVE SCREEN FINISHES

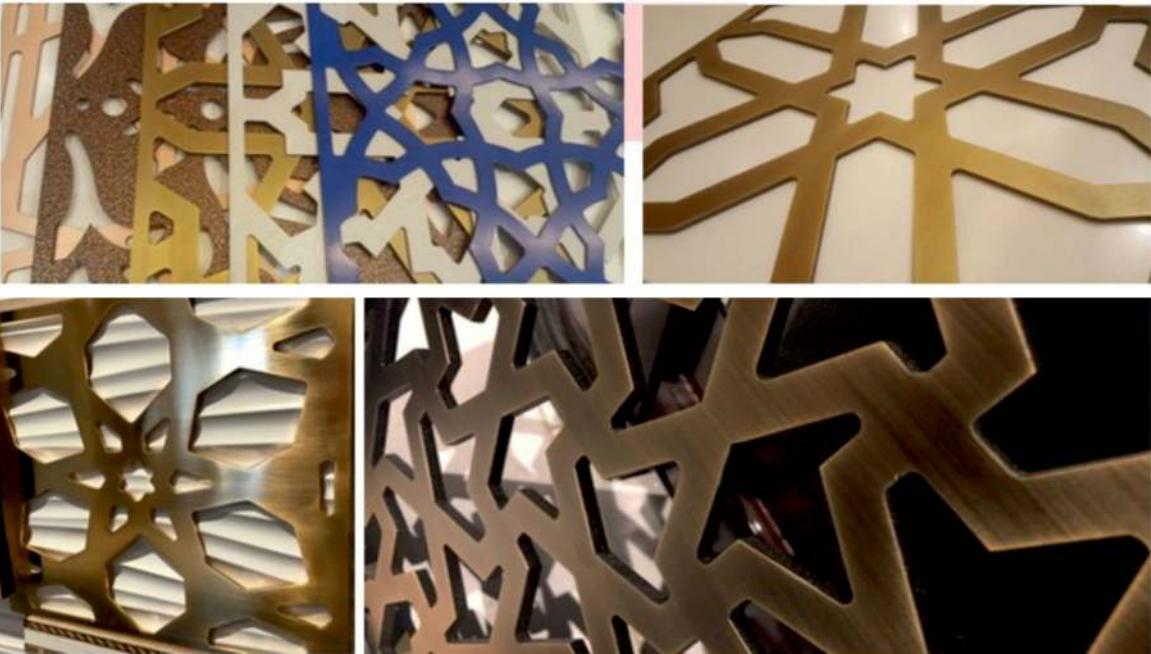
ANODIZING

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 mashrabiyas 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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