

Furniture Safety Mirror

Cosmetic Mirror

Antique Mirror

Cosmetic Mirror

Aluminum Mirror

Tinted Mirror

Furniture Safety Mirror

Silver Mirror

Painted Glass

Sheet Mirror

Cosmetic Mirror

Silver Mirror

Simple Wall Mirror

Copper Free Mirror

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NOVAL GLASS®

NOVAL GLASS GROUP LTD

WWW.NOVALGLASS.COM

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ABOUT US

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WHO WE ARE

Noval Glass is a highly professional Mirror supplier from China. Owing to 12 years' exporting experience, Noval Glass has become China Leading Mirror supplier with Strong Technical Support, Rich Experience, Huge Productivity and Strict Quality Control. Noval has been exporting Aluminum Mirror to all over the world like Europe, American, Latin America, Africa and South Asia. Noval Glass ensures a supply capacity of nearly 500000 SQM/month, which guarantees fast delivery of no more than 3 weeks for most of the orders.

WHAT WE OFFER

Our products include:
Big Size Raw Mirror
Silver Mirror, Aluminum Mirror, Copper and Lead Free Silver Mirror, Tinted Mirror, Painted Glass, Antique Mirror and Sheet Mirror.
Semi-Finished and Finished Mirror
Furniture Safety Mirror, Simple Wall Mirror, Cosmetic Mirror and Photo Frame Mirror.
Customized Mirror Processing
Customize Dimension; Cut, Grinded or Polished Edge; Round, Square Rectangle or Irregular Shape; Drilling, Beveling or Safety Film.

HOW WE DO

Thanks to professional and experienced working stuff, all packing and loading is guaranteed to be strong and seaworthy to reduce the breakage rate to as low as possible. Wooden crates, end caps, customized packing quantity; all packing can be fulfilled at Noval Glass.
Noval's shipping department has been doing a great job. Usually we could get more competitive price than our customer, thus we have been doing more CFR than FOB. Competitive ocean freight and well organized operation saves you both money and energy.
Noval's sales team is always offering excellent service for our customers. Every detail will receive Noval's full attention. Every personalized requirement will receive Noval's utmost efforts. Every confusion and difficulty will receive Noval's corresponding solution.
With all the products and service, Noval Glass is dedicated to make all your business and purchasing much more smooth and easy. The ultimate aim of Noval Glass is to offer most suitable and favorable solutions for all our customers.

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ALUMINUM MIRROR

01

INTRODUCTION

Aluminum Mirror is produced through horizontal aluminum mirror production line by vacuum coating a layer of aluminum on the glass, which is the most international advanced production equipment for coating aluminum mirror. So Noval Glass aluminum mirror is best quality in China, which is suitable for any further processing and edge working.

FEATURES

1. Excellent competitive price compare to silver or copper free mirror.
2. Coated on the high quality mirror grade float glass with exact image.
3. Double coated water-proof paint with good erosion-resistant.
4. Actual and accurate reflection, higher Optical quality and durability.
5. No copper or Lead, environmentally friendly.
6. Easy processing and installation.

SPECIFICATIONS

Thickness: 1mm, 1.3mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm

Mirror Color: Clear, Ultra Clear, Bronze, Grey, Black etc...

Regular Sizes: 1220*914mm, 1830*1220mm, 1500*2000mm, 2440*1830mm, 3300*2140mm, 3300*2250mm, 3660*2140mm.

Special customized sizes are also available



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SILVER MIRROR



02

INTRODUCTION

Silver Mirror is a highly durable mirror. Noval Glass silver mirror is created by depositing a layer of silver onto mirror-grade glass, which is then treated, proceeded by one or more layers of highly resistant protective paint. The innovative manufacturing process improves the durability and optical quality of the product. Noval Silver Mirror is suitable for all kinds of further processing and can be applied to any daily environment.

FEATURES

1. Superior optical quality with Actual and accurate reflection.
2. Copper protection significantly enhanced mirror durability with good erosion-resistant.
3. Coated on the high quality mirror grade float glass, with exact image.
4. Double coated water-proof paint, Grey paint, Green paint, or Blue paint available.
5. Wide application possibility for interior, exterior, bathroom etc...
6. Suitable for all kinds of further processing.

SPECIFICATIONS

Thickness: 1mm, 1.3mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm

Mirror Color: Clear, Ultra Clear, Bronze, Grey, Black etc...

Regular Sizes: 1220*914mm, 1830*1220mm, 1500*2000mm, 2440*1830mm, 3300*2140mm, 3300*2250mm, 3660*2140mm.

Special customized sizes are also available



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COPPER FREE SILVER MIRROR

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INTRODUCTION

Noval Glass Copper Free Silver Mirror is manufactured without copper or lead using a new, more environmentally friendly industrial process. The mirror is created by depositing a layer of silver mirror on the glass, which is then treated and covered with one or more coats of highly resistant Protective paint. Thanks to this new process, polluting waste products are reduced during waste products are reduced during manufacturer (in particular ammonia), and the mirror is much easier to recycle.

FEATURES

- 1. Copper and lead free, more environment friendly.
- 2. Coated on the high quality glass with superior optical qualitywith Actual and accurate reflection.
- 3. Imported lead free back paint significantly enhanced mirror durability with good erosion-resistant.
- 4. Wide application possibility for interior, exterior, bathroom etc...
- 5. Suitable for all kinds of further processing.

SPECIFICATIONS

Thickness: 1mm, 1.3mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm
Mirror Color: Clear, Ultra Clear, Bronze, Grey, Black etc...
Regular Sizes: 1220*914mm, 1830*1220mm, 1500*2000mm, 2440*1830mm, 3300*2140mm, 3300*2250mm, 3660*2140mm.
Special customized sizes are also available

COMPARISON

Item	Copper Free Mirror	Silver Mirror	Aluminum Mirror
Reflection Rate	89%	87%	85%
Sliver Content	≥800 mg/m2	≥700 mg/m2	0 mg/m2
Copper Content	0 mg/m2	≥200 mg/m2	0 mg/m2
Paint Thickness	48~55μm	45~52μm	42~58μm
Paint Lead Content	≤20 ppm	≤170 ppm	≤20 ppm
Paint Mercury Content	≤60 mg/kg	≤60 mg/kg	≤60 mg/kg

ANTIQUE MIRROR



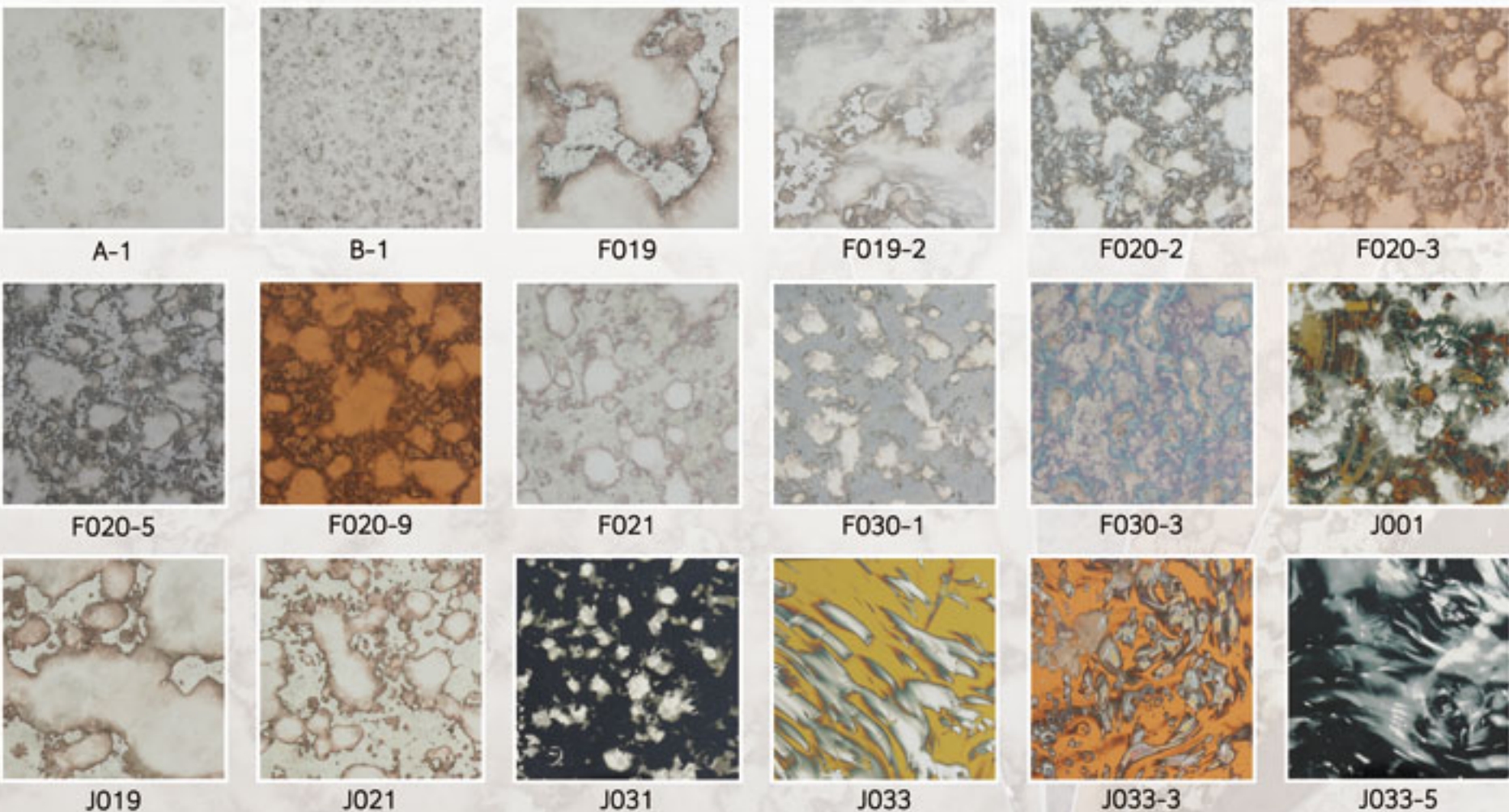
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INTRODUCTION

Noval reproduction antique mirror is a unique mirror, with several different designs and reproduction antique mirrors is made of clear float glass and tinted float glass. There are certain features to look for that will determine the value of an reproduction antique mirrors. First, having the original glass is a big plus. Indeed, there are mirrors this old that still have their original glass. The next feature is the condition of the frame. Examine it closely. You will be able to see if it has been patched. And the original gilt should be still there, but it does not have to be perfect. There should be some nicks and scratches.

SPECIFICATIONS

Thickness: 1mm, 1.3mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm
Mirror Color: Clear, Ultra Clear, Bronze, Grey, Black etc...
Regular Sizes: 1220*914mm, 1830*1220mm, 1500*2000mm, 2440*1830mm, 3300*2140mm, 3300*2250mm, 3660*2140mm.
Special customized sizes are also available





TINTED MIRROR

05

INTRODUCTION

Noval Glass Tinted Mirror is a new decorative Mirror. There are two processing ways. One is made of tinted mirror-grade glass of exceptionally high quality and durability. Then make Silver Mirror, Copper Free Mirror or Aluminum Mirror. One is created by depositing a layer of nonferrous metal on to clear glass. Then treated and processed by two layers of highly resistant protective paint.

SPECIFICATIONS

Thickness: 2mm, 3mm, 4mm, 5mm, 6mm, 8mm

Mirror Color: Bronze, Grey, Green, Blue, Golden, Pink, Violet, Red etc...

Regular Sizes: 1220*914mm, 1830*1220mm, 1500*2000mm, 2440*1830mm, 3300*2140mm, 3300*2250mm, 3660*2140mm.

Special customized sizes are also available



EURO BRONZE



EURO GREY



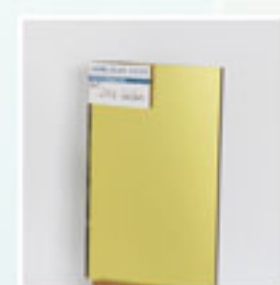
PEACH RED



VIOLET



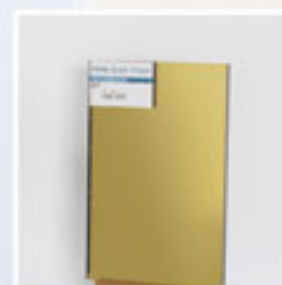
WINE RED



24K GOLDEN



BRIGHT GOLDEN BRONZE



GOLDEN



GOLDEN ORANGE



GOLDEN PALACE



CHAMPAGNE



DARK BLUE



OCEANIC BLUE



DARK GREEN

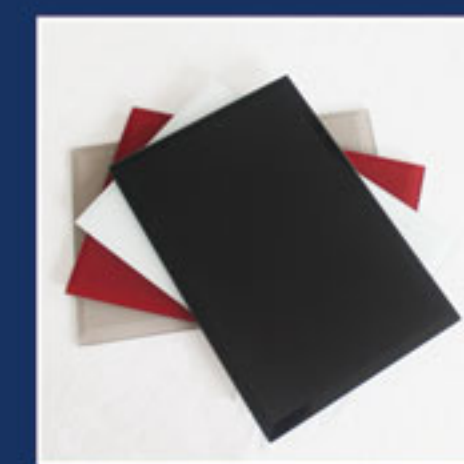


PEACOCK GREEN

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PAINTED GLASS



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INTRODUCTION

Noval Glass Painted Glass is a kind of lacquered glass in appearance, produced by depositing and then baking a highly resistant lacquer to one side of the glass. Noval color painted glass combines the attractive appearance of the paint with the clarity of glass. Noval color painted glass can be used in domestic and commercial locations such as offices, hotels, museums, theatres and cinemas.

SPECIFICATIONS

Thickness: 2mm, 3mm, 4mm, 5mm, 6mm, 8mm

Glass Color: White, Ultra White, Black, Red etc...

Regular Sizes: 1830*1220mm, 1500*2000mm, 2440*1830mm, 3300*2140mm, 3300*2250mm, 3660*2140mm.

Special customized sizes are also available



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SHEET MIRROR

BIG SIZE MIRROR PACK AND LOAD



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INTRODUCTION

Noval Glass Sheet Mirror is made from sheet glass, using aluminum mirror technology. Sheet Mirror is widely used for Makeup Mirror and Bathroom Cabinet. As the technology more and more mature, Sheet Mirror is not only excellent product and cheaper price, but also durable in use. The sheet mirror has great market competition advantages.

SPECIFICATIONS

Thickness: 1.5mm, 1.7mm, 1.8mm, 2mm, 2.5mm, 2.7mm
 Big Sizes: 600*900mm, 610*914mm, 900*1200mm, 914*1220mm, 1220*1830mm.
 Cut to Sizes: 100*150mm, 102*152mm, 114*152mm, 127*178mm, 130*180mm, 150*200mm, 152*203mm, 150*210mm, 180*240mm, 200*250mm, 203*254mm, 210*300mm, 216*279mm, 203*305mm, 240*300mm, 254*305mm, 250*350mm, 254*356mm, 279*356mm, 300*400mm, 300*450mm, 400*500mm, 500*500mm, 500*700mm.
 Special customized cut to sizes are also available



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LOADING SOLUTION

Here Below three typical loading solution for big size mirror.

Solution #1 is for mirror length under 2140mm, such as 1830*1220mm, 2000*1500mm.

Solution #2 is for mirror length between 2140mm to 2440mm, such as 2200*1600mm, 2440*1830mm.

Solution #3 is for mirror length over 2440mm, such as 3300*2140mm, 3660*2140mm..

SOLUTION #1



SOLUTION #2



SOLUTION #3



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COSMETIC MIRROR



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INTRODUCTION

Noval Glass Cosmetic Mirror, also called Makeup Mirror is a new generation ultra thin mirror product. Noval Cosmetic Mirror is made of high quality float glass as well as sheet glass. The mirror can be Aluminum Mirror, Silver Mirror or Copper Free Mirror. The thickness of Noval Cosmetic Mirror comes from 1.0mm to 2.0mm (usually 1mm, 1.3mm, 1.5mm, 2mm for Float Mirror, 1.5mm, 1.7mm and 1.8mm for Sheet Mirror). Though thin it is high stability it has.

SPECIFICATIONS

- Thickness: 1mm, 1.3mm, 1.5mm, 1.7mm, 1.8mm, 2mm
- Mirror Color: Clear, Ultra Clear, Bronze, Grey, Black etc...
- Big Sizes: 900*600mm, 914*610mm, 1200*900mm, 1220*914mm, 1830*1220mm, 1500*2000mm.
- Cut to Sizes: As per Customers request.
- Cut to Shape: Round, Square, Rectangle and customized Irregular Shapes.

QUALITY STANDARD

Here Below 2mm Big SizeAluminum Float Cosmetic Mirror Quality Standard.

Item	Description	Standard		Result
Tolerance	Thickness	1.85-1.95mm		Pass
	Size	+/- 1.5mm		Pass
Appearance	Bubble, Inclusion	$\varnothing > 0.5\text{mm}$		Reject
	And Push Mark	$\varnothing \leq 0.5\text{mm}$	20point/SQM	Pass
		Heavy		Reject
	Scratch And Chip	Medium	5 Points/SQM	Pass
		Light	10 Points/SQM	Pass
Back Paint	Black/White Point	$\varnothing > 0.3\text{mm}$		Reject
		$\varnothing \leq 0.3\text{mm}$	40 point/SQM	Pass
	Color	Uniform		Pass
	Corrosion	No		Pass

CUT TO SIZE PRODUCTION



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PACKING

- Inner packing paper parcel.
- Outer packing pacle in carton box in pallet or wooden case. Or parcel directly in wooden case.



LOADING CONTAINER





FURNITURE SAFETY MIRROR



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INTRODUCTION

Noval Glass Furniture Safety Mirror is made of Silver Mirror, Copper Free Silver Mirror or Aluminum Mirror with Grinded, Polished or Beveled Edgework and Safety Back Film.

Silver mirror and copper free mirror used to be the first choice for Furniture Mirror. However, with the development of Aluminum Mirror production technology, Aluminum Mirror gradually shows its permitting to replace silver mirror for most furniture application. Due to the competitive price, aluminum mirror gains its popularity in Furniture Mirror field.

EDGEWORK

Noval Glass can offer many kinds of solutions for Furniture Mirror Edgework mainly including Clean Cut, Grinded, Polished and Beveled. Usually the Furniture Mirror is used in a frame or applied in big piece, so the polished edge (higher price) seems not necessary. And for workers safety consideration, Clean Cut is also not recommended. Thus the most popular edgework for Furniture Mirror is Grinded, Especially C-Grinded (pencil Grinded).



C GRINDED



FLAT GRINDED



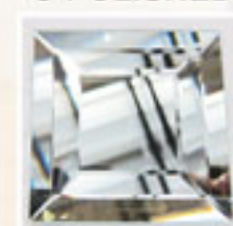
FLAT POLISHED



C POLISHED



CLEAN CUT



BEVELED

Sealing edge is a special way for Aluminum Furniture Mirror to increase the Mirror durability and Anti Corrosion Ability. After edge working, a layer of sealing oil is applied on the worked edges around the mirror. The oil will prevent the Aluminum Reflective Layer and Paint Layer from the Oxygen, Water and other Corrosion Elements.



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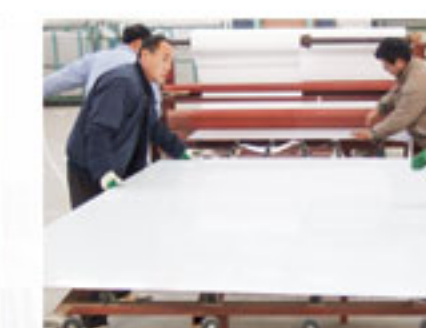
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SAFETY FILM

Mirror is made of glass. When glass breaks and falls, it easily causes hurts. That's why we should make the Furniture Mirror to be Safety Mirror.

Safety mirror is produced by attaching an adhesive PE protective plastic film on the backside of mirror. The PE protective film will prevent people from being hurt when the mirror broken. Vinyl back include PE vinyl back (CAT I backing mirror) and woven PP vinyl back (CAT II backing mirror). Usually CAT II film is more popular in Australia.

The safety film is strictly required when the mirror is used for doors, wardrobes and children's room.



PACKING



LOADING CONTAINER



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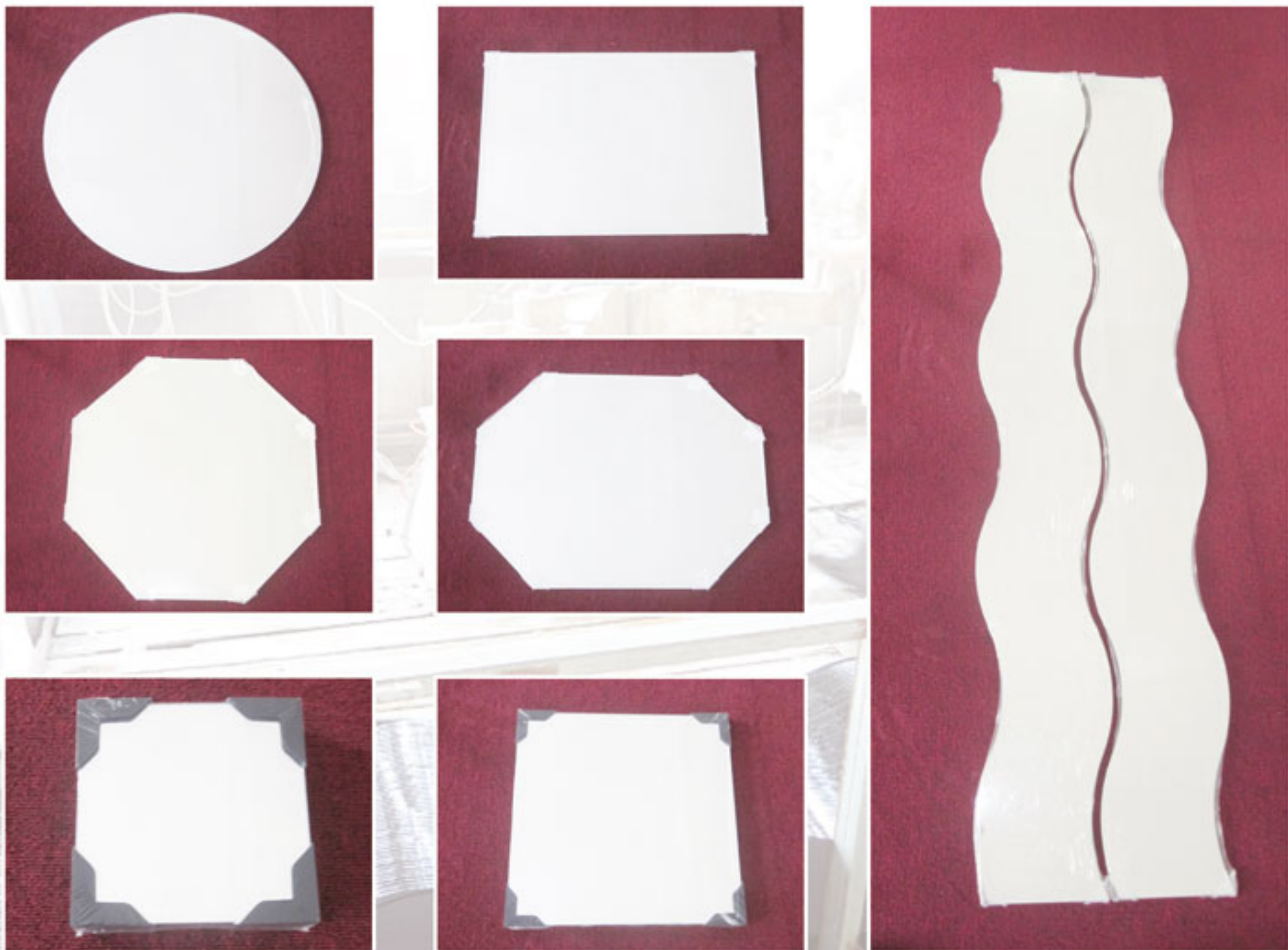
SIMPLE WALL MIRROR

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INTRODUCTION

Noval Glass Simple Wall Mirror is made from High Quality Silver Mirror with double Fenzi back paint and C-edge processed. All Edges are Sealed with Firming Agents to keep from corrosion. Mirror includes various sample shapes like S Shaped Wavy Mirror, Square Mirror, Rectangle Mirror, Octangel Mirror, Round Mirror, Oval Mirror and Spell Mirror with Grinded, polished or beveled edges. Noval Simple mirror is widely used for Wall, Bathroom, Door and Closet.

GALLERY



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ACCESSORIES



PACKING

Packing Method	Inner Packing	OuterPacking
Retailing Packing	Protection Corners, Shrink Plastic Film, Instruction Book	Carton Box; Wooden Case
Whosale Packing	Protection Corners, Shrink PlasticFilm	Wooden Case

SHRINK FILM AND PROTECTION CORNER



CARTON BOX AND WOODEN CASE





MIRROR GUIDELINES

CERTIFICATE AND TEST REPORT



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PROCESSING GUIDELINES

WHILE DOING EDGEWORK

1. The circulating water should be Neutral. Keep the alkaline as low as possible.
2. Ensure continuous and adequate cooling water for grinding wheels.
3. Use soft polishing wheel to reduce the heat from polishing

AFTER EDGEWORK

1. Wash right after edgework. Keep the mirror in Dry and Ventilated environment.
2. Keep the mirror edge away from water and sweat while moving the mirror.
3. Seal the edge with neutral oil, paint or glue.

INSTALLATION AND FIXING GUIDELINES

GENERAL INFORMATION

1. Do NOT use aluminum mirror in wet situation like bathroom.
2. Ensure there is sufficient space between the supporting wall and the mirror to provide good ventilation. Keep 5mm space if the long side of the mirror is less than one meter and 10mm if over.
3. When fitting a run of mirrors side by side, provide a minimum space of 2mm between edges.
4. Place the mirror against a supporting wall, which is clean, dry and stable, free of acidic and harsh.
5. Avoid positioning the mirror too close to a source of heat, such as lights and heating-elements .excessive direct heat could damage and break the mirror.
6. To avoid optical distortions the mirror must be installed absolutely flat, against a flat support surface, without any point-stresses.

GLAZING INTO A FRAME

1. Care must be taken to ensure that the frame and glazing channels are completely clean and dry.
2. Position the mirror on hard plastic blocks at least 3mm thick in order to life the mirror and to avoid contact with water, which could collect in the frame.

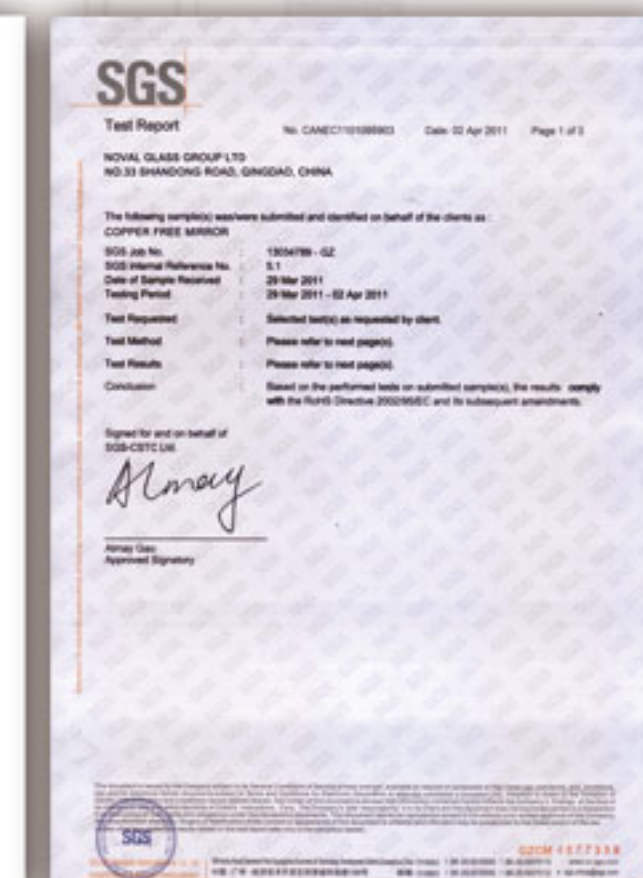
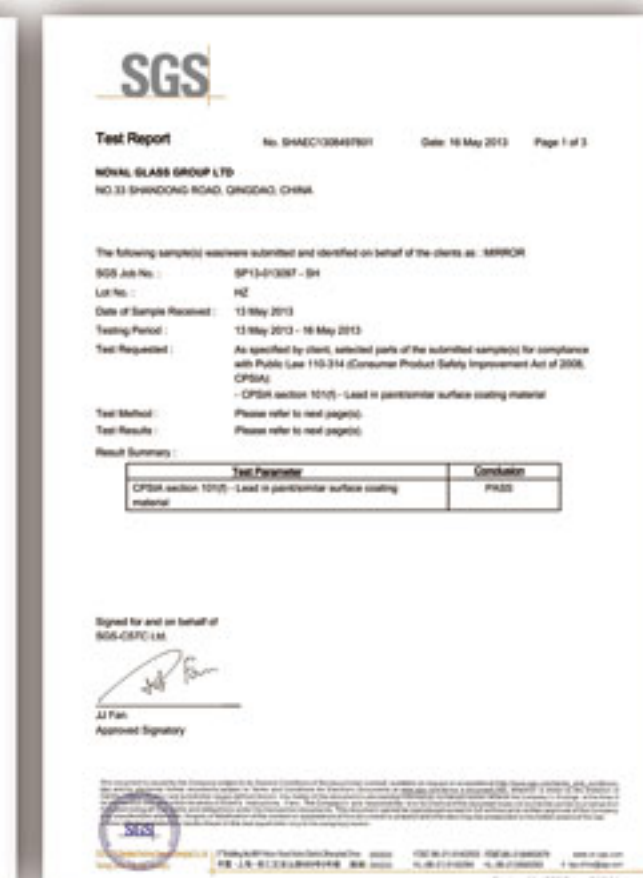
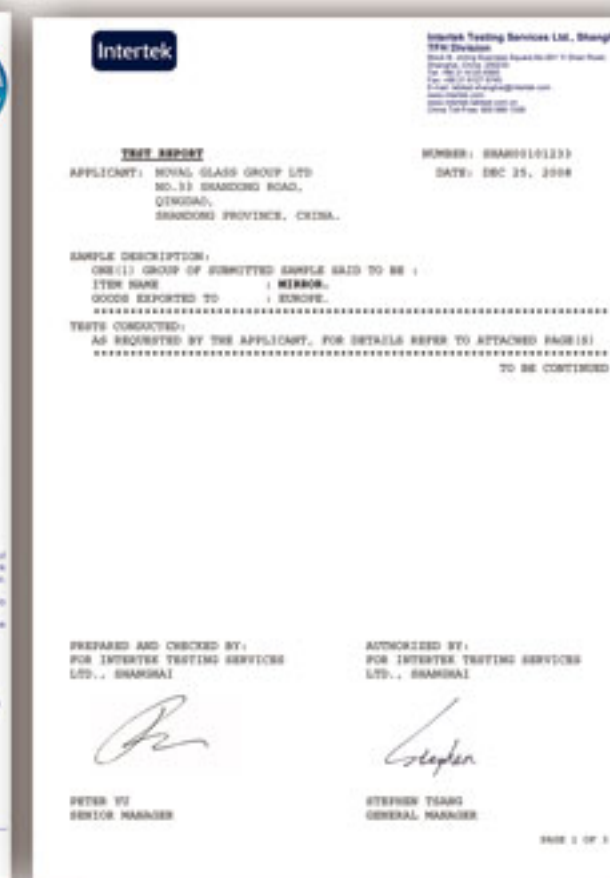
SCREW FIXING

1. Use screws of appropriate dimensions.
2. Avoid direct contact between the glass and the metal by using plastic spacers and washers.
3. Attach the mirror by applying pressure, but without placing any stresses on it.

ADHESIVE FIXING

4. The Silicone must be neutral and alcohol-based only.
5. The glue or adhesive strips must always be applied vertically.
6. Always follow the instructions of the adhesive manufacturer which is certified as being compatible with mirrors

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