



KOVANN
MIRROR SDN.BHD
科梵制镜厂有限公司

A 100% MALAYSIAN OWNED COMPANY

Producing Eco-Friendly Mirrors / Copper and Lead Free products

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OUR MIRRORS

ECO-FRIENDLY ALUMINIUM MIRROR

Vacuum Magnetron Sputtering coating technology
Stable and uniform metal layer deposition
Double paint coating (without lead) for maximum protection
Competitive price

ECO-FRIENDLY SILVER MIRROR

Copper and lead free, environmentally friendly
Significantly reduces the occurrence of black edge corrosion
Superior performance in CASS test

MIRROR SPECIFICATION

Thickness: 3 / 4 / 5 / 6 MM

Standard Sizes: 1830 X 2440 MM | 72 X 96" | 6 X 8 FT
2140 X 3050 MM | 84 X 120" | 7 X 10 FT
2140 X 3353 MM | 84 X 132" | 7 X 11 FT
2140 X 3660 MM | 84 X 144" | 7 X 12 FT
2440 X 3660 MM | 96 X 144" | 8 X 12 FT

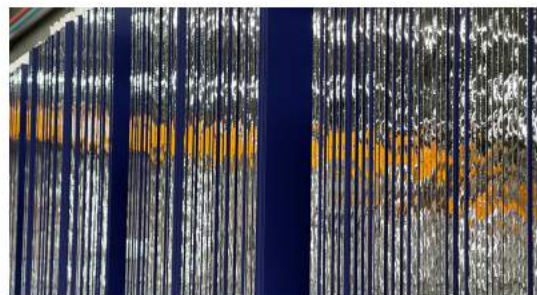
* Special sizes can be customized as per requests *

Mirror Color: Clear, Ultra Clear, Brown, Euro Grey

Double Layered Protective Coating

PACKING & LOADING

Paper interleaved, using easy-dismantled plywood crates packing.
Suitable for the long distance sea and inland transportation.



QUALITY CONTROL

STRICT RAW MATERIAL INSPECTION SYSTEM

Internal laboratory with full testing equipment, each batch should be inspected, for ensuring the quality of raw material.

Main float glass supplier: XINYI, KIBING, JINJING, NSG

Paint: FENZI, VALSPAR, NBC

MIRROR SURFACE

Mirrors have to reflect images without any distortions or irregularity

* Visual inspection is performed for outgoing Quality Assurance at a standard of min. 50cm away from mirror surface.

Visible distortion (>0.3 mm) on the surface will be rejected

MIRROR BACK PAINT TEST

Double paint thickness 50 - 55 μm

Cross hatch adhesion testing $> 4B$

Pencil hardness $> 4H$

CHEMICAL TEST FOR MIRROR

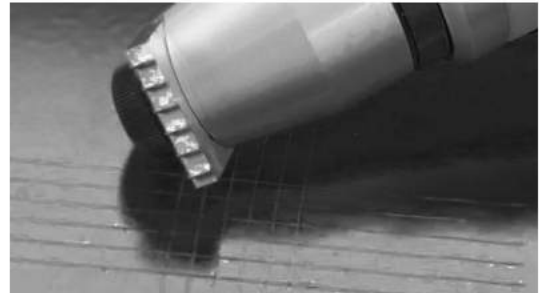
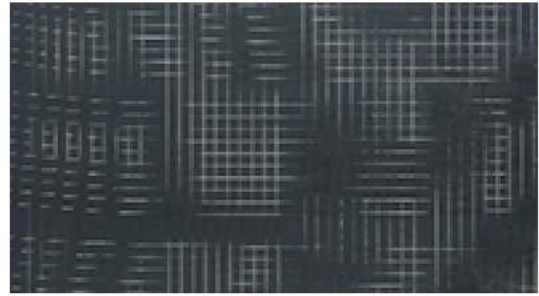
Silver level: Silver Mirror $> 70 \mu\text{g}/\text{m}^2$
Copper-free mirror $> 900 \mu\text{g}/\text{m}^2$

Alkali Resistance: 10% NAOH (Sodium Hydroxide Solution) soaking

Acid Resistance: 10% HCL (Hydrochloric Acid Solution) soaking

60°C Hot water bath test at 60°C for 180 hours

CASS Test > 120 hours



REFLECTING STYLE & PERSONALITY

Mirrors can enhance natural light and help open up space and make it feel larger.

It also can greatly accentuate the room furniture or feature.



**ECO-FRIENDLY
MIRRORS**



Main Distributors:

