

Guardian Dielectric Mirror



UNLEASH YOUR CREATIVITY – DESIGN SPACES WITH HIDDEN DISPLAY APPLICATION

Today, glass permeates every aspect of our life. Mirrors are perfect for any interior space – decorative walls, wardrobe doors, display cases, and more. Rooms sparkle when mirrors reflect artwork, sculpture, and unique interior architecture. Guardian Dielectric Mirror uses advanced glass coating technology to open up the minds of designers creating features and fittings that can add a new dimension to modern interior design. By creating Dielectric Mirror using the most advanced magnetron glass coating technology, Guardian offers one of the best options on the market to reduce distraction caused by high absorption in regular high-reflective glasses. Guardian Dielectric Mirror removes the excessive dark aspect so familiar in many of these glass applications and provides a commercial advantage with a product display unspoiled by excessively dark glass.

Product Description

Modern advances in technology mean that today many other factors are considered when choosing the right glass for the right application. We use the latest glass-making technology to turn mountains of silica sand and other raw materials into molten glass that "floats" on a bath of molten tin to produce a ribbon of nearly perfect glass, which acts as the base for our dielectric mirror. Dielectric Mirror is available in two different versions:

DM 60/40 reflects 57% of light and has light transmission of 41%, allowing the display to become visible when it is switched on. This is the ideal solution for applications where the mirror function is the key aspect.

DM 30/70 reflects 29% of light and has light transmission of 69%, allowing the display to become visible when it is switched on. Offering the optimal solution for applications where the TV or display function is the key aspect of the design.



Applications

Dielectric Mirror is the ideal product for any application where state-of-the-art, hidden commercial displays, TVs, bathroom TVs, or projection screens are needed. Common applications also range from interior partitions, to design elements, to lighting industry.

Availability

Dielectric Mirror is available in a range of thicknesses in Jumbo (3,21 x 6 meter) or cut sizes, on standard ExtraClear®, UltraClear™ (low-iron) and as laminated glass.

Light characteristics (according EN 410)

| Product | Light Transmission % | Reflection Coated Side % | Reflection Glass Side % | Light Absorption % | Colour Rendering Index % |
|----------|----------------------|--------------------------|-------------------------|--------------------|--------------------------|
| DM 60/40 | 41 | 57 | 55 | 2 | 97 |
| DM 30/70 | 69 | 29 | 28 | 2 | 98 |

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