

Fine Mat™

Anti-glare with high light transmission



Filters used in conditions with a lot of direct light, such as sunlight or overhead light sources indoors, can benefit from anti-glare surface treatments to improve the readability of the display.

Fine Mat™ is an anti-glare surface treatment for cover glass used on displays. This solution can be used on both acrylic and polycarbonate filters, including EMI-shielded cover glass solutions.

Fine Mat™ is specifically developed to produce an exclusive-looking matte surface that dramatically reduces glare and still has excellent optical performance. This is because the cover glass retains its light transmission despite the anti-glare surface treatment, depending on which base material it is applied on.

The coating process creates a unique surface structure consisting of lens-shaped microparticles. This structure scatters light and significantly reduces glare. Despite its anti-glare properties, haze is still low, and light emitted from the display doesn't get blurred, meaning it retains its image quality. Therefore, disturbing glare is significantly reduced with no loss in image quality from the underlying display.

Fine Mat A1 is the finest anti-glare solution compared to the other Fine Mat™ options ranging from A1 to A5 – the latter being the most matte solution.

Technical Data

Base Materials: PMMA or PC

Standard Grades*: A1, A3, A5

Pencil Hardness**: 3-4H

*A1: Anti-Newton grade

A3: Display grade

A5: Digital signage grade

** Final hardness is measured 48 hours after removal of protective film and is highly dependent on the base material's pencil hardness.