

PLANAR EXTENDED RUGGEDNESS AND OPTICS TECHNOLOGY

February 2018

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What is ERO?

Planar® ERO™ (Extended Ruggedness and Optics™) Technology is the brand name of Leyard and Planar's proprietary optical bonding materials and processes, which couple high-quality optically-clear cover glass to flat panel displays up to 98" using a proprietary thermally-cured silicon gel.

This precision process requires a HEPA-filtered environment, experienced technicians, materials development, specialized tooling, and testing of displays to our exacting specifications.

Arriving From	Scheduled	Airline	Flight	Flight	Gate
Albuquerque	10:20 PM	US Air	412	ON TIME	3
Atlanta	7:45 PM	BRISTOL	13	ON TIME	2
Austin	6:02 PM	INTERCONTINENTAL	846	ARRIVED	4
Boise	6:30 PM	FRONTIER	246	ON TIME	2
Boston	9:25 PM	SKYWAY	785	ARRIVED	4
Burbank	7:00 PM	US Air	356	ARRIVING	1
Chicago/O'Hare	6:02 PM	INTERCONTINENTAL	985	ON TIME	3
Dallas	6:35 PM	INTERCONTINENTAL	795	ARRIVED	2
Denver	8:10 PM	FRONTIER	218	ON TIME	4
Detroit/Metro	9:45 PM	SKYWAY	24	ARRIVED	2
Hartford/Springfield	10:15 PM	US Air	853	ARRIVING	4
Honolulu	8:35 PM	BRISTOL	1291	ON TIME	3
Houston/IAH	6:10 PM	INTERCONTINENTAL	287	ARRIVED	3
Las Vegas	7:40 PM	FRONTIER	985	ON TIME	2
Las Vegas	9:05 PM	SKYWAY	785	ARRIVED	4

The ERO Advantage

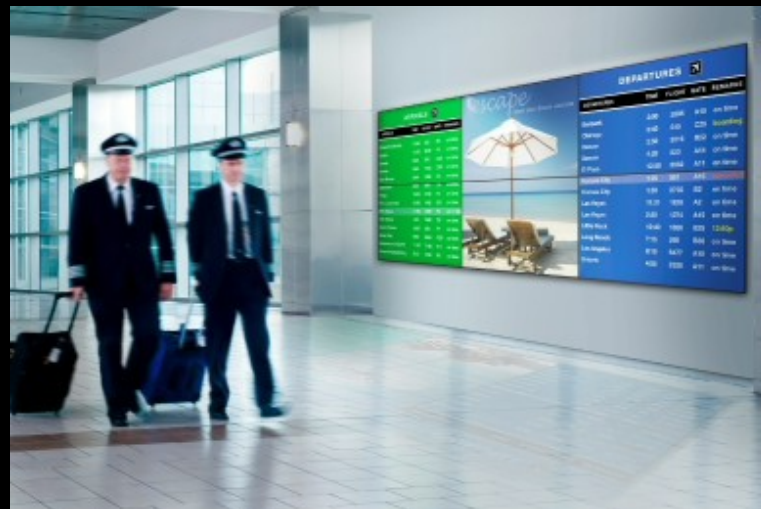
Protection

- LCDs have plastic surfaces that are not vandal-proof.
- To protect the display investment, most public installations require a cover glass.
- The ERO process adds a protective layer of cover glass and a layer of silicon, which adds additional impact resistance.
- Even gentle tapping on an untreated display will introduce temporary optical artifacts and risk permanent damage. Leyard and Planar displays with ERO have differentiation you can see and feel.

The ERO Advantage

Contrast in Bright Environments

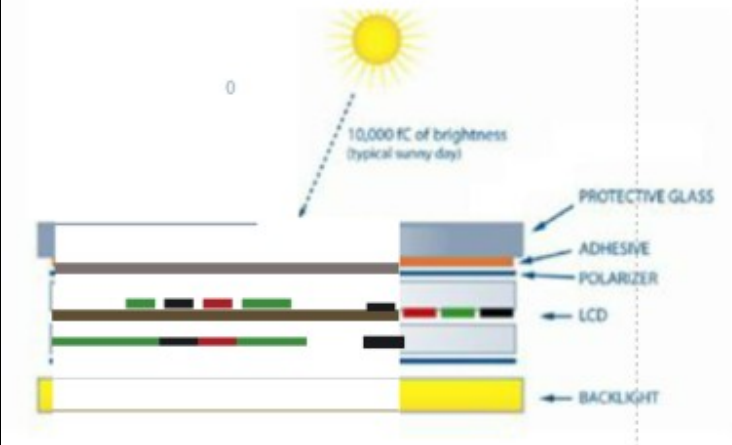
- ERO optical bonding eliminates the internal reflection between the LCD and the cover glass because the bonding process creates a single index of refraction, increasing display contrast and viewability.
- Contrast is improved by over 300%.
- In bright or sunlit environments, this can be the difference in readability.



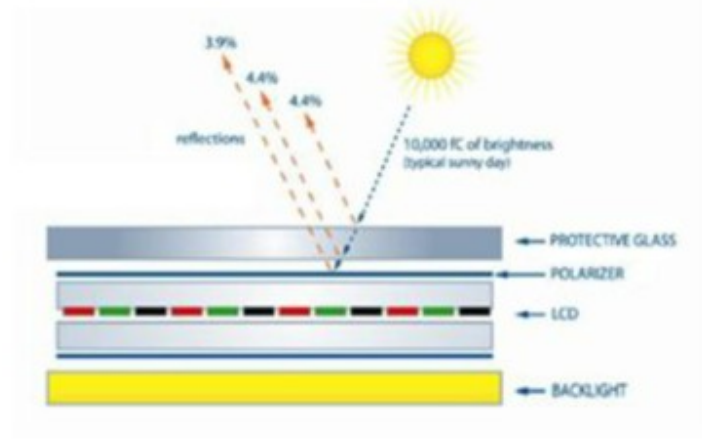
Better Than Protective Glass

Internal Reflections Reduce Contrast and Readability

With optical bonding



Without optical bonding



The ERO Advantage

Smooth Touch Surface

- In addition to the optical and ruggedness properties, ERO also provides an edge-to-edge surface for touch interactivity.
- Users feel the smooth glass, but not the bezel ridges.



Leading Display Protection with ERO

ERO is a proprietary feature that is unlike anything the market offers for large format displays.

These capabilities establish Leyard and Planar as a display expert and trusted partner.

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THANK YOU

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