WEAR RESISTANT GLASS

EVERSCAN™
AEGISGLASS®
SCANSHIELD™

scratch resistant glass for laser barcode scanners

48B98D12F

Diamonex, the world's premium supplier of Superhard Diamond-like Products, offers the 3 best choices in scanner glass. This innovative line of scanner windows can dramatically improve the lifetime, read accuracy and read rate of laser barcode scanners. Uncoated glass is subject to scratching and scuffing, resulting in poor read accuracy and read rate. Diamonex's superior surface has high hardness, chemical resistance and very low friction which means less re-scanning, reduced POS cost and happy customers.

Performance characteristics, see reverse side.

EVERSCAN

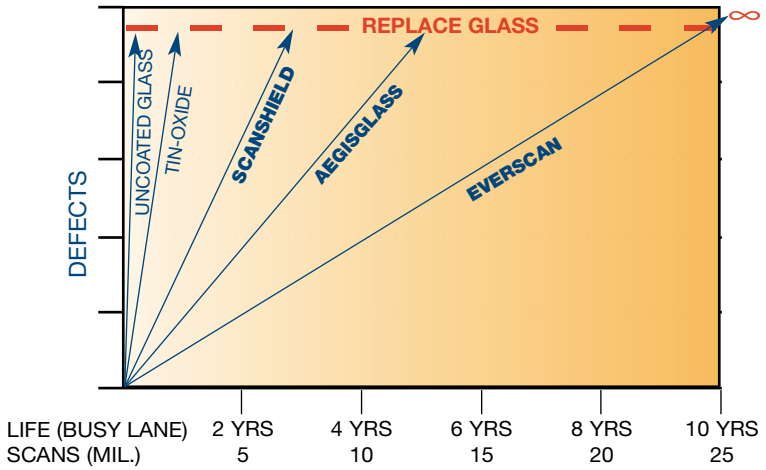
The Best Scanner Glass offering a **Lifetime Warranty** of worry-free scanning. Priced well below the cost of sapphire-laminated scanner glass products.

AEGISGLASS

The Better Scanner Glass guaranteed to resist scratching by most items sold in a grocery store for up to **3 Years.**

SCANSHIELD

The Most Economical Scanner Glass with a **1 Year Warranty** which will outlast Tin-Oxide Coated Glass by 4-5 times and uncoated glass by 40 times.



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PERFORMANCE CHARACTERISTICS

	Glass	Tin-Oxide	SCANSHIELD	AEGISGLASS	EVERSCAN
Coating Thickness	None	~ 0.1µm	~ 1.2µm	~ 5µm	~ 6µm
Hardness	6 GPa	7 GPa	12 GPa	12 GPa	16 GPa
Friction	0.5	0.24	0.17	0.17	0.17
Transmittance @650nm	> 80%	> 75%	> 75%	> 75%	> 65%
Glass Wear Test Lifetime	< 1 hr.	2 hr.	> 30 hr.	> 30 hr.	> 45 hr.
Garnet Sandpaper Scratch Test - Haze					
10 lbs	21%	13%	4%	0%	0%
20 lbs	27%	20%	6%	0%	0%
30 lbs	30%	24%	6%	1%	0%
Glass Ball Scratch Test	Failure at 0.68 kg	Failure at 14 kg	No Failure 46 kg (maximum load)	No Failure 46 kg (maximum load)	No Failure 46 kg (maximum load)