



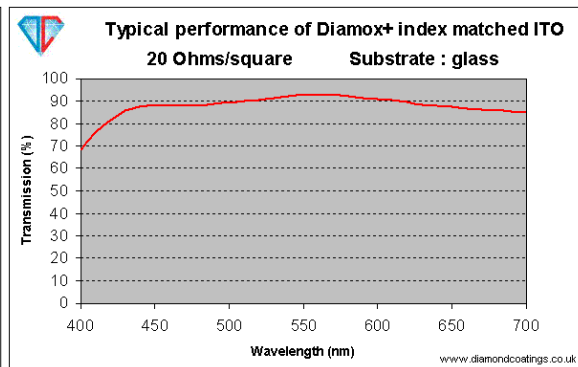
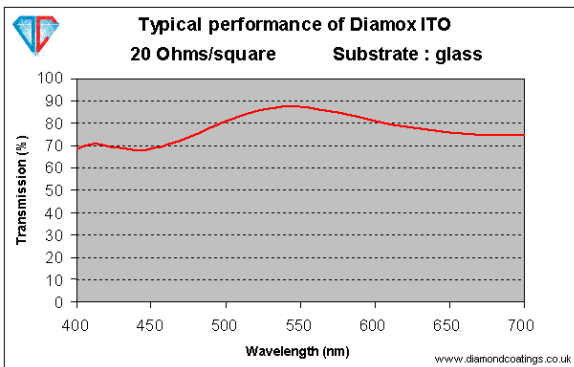
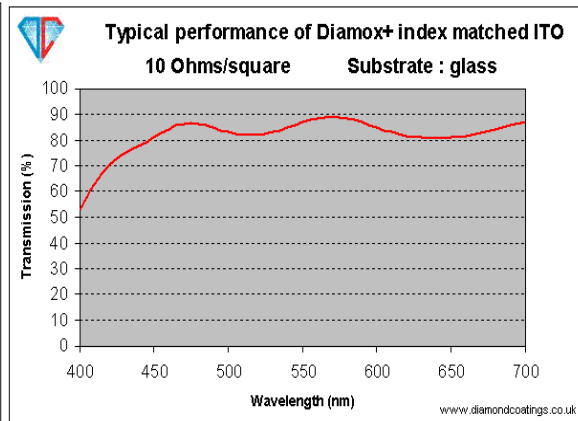
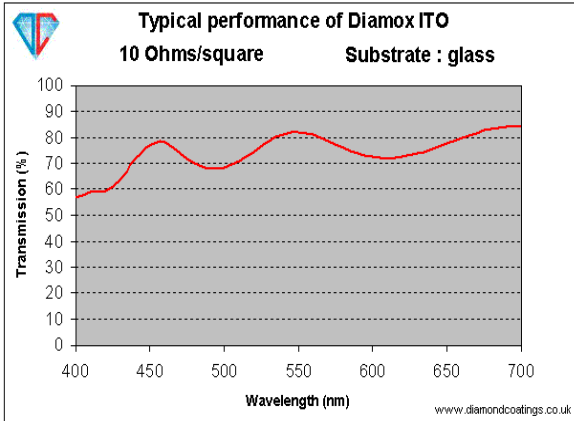
## DIAMOND COATINGS LIMITED

### DIAMOX+ (Index Matched ITO)

The DIAMOX+ coating is a multi-layer coating of quartz and metal oxides. The thickness of the quartz is carefully controlled to suppress unwanted reflection and enhance the transmission.

ITO is applied directly to the raw material substrate to the desired thickness or resistance value required. The additional index matching coating is then calculated and applied directly on top of the ITO with designated contact areas.

Detailed below are a few examples of Standard DIAMOX compared to DIAMOX + coatings.



Other typical transmission peaks between the range of 525nm & 600nm on various substrates are listed below.

	Resistance value DIAMOX (std. ITO)	DIAMOX+ (Index Matched ITO)
Glass:	50 Ohms/sq      89%	93%
Polycarbonate:	20 Ohms/sq      82%	90%
Polycarbonate:	50 Ohms/sq      85%	90.5%
H/C Acrylic:	10 Ohms/sq      79%	85%
H/C Acrylic:	50 Ohms/sq      85%	92%