



DIAMOND
COATINGS



Diamond Diamox+ Coating Datasheet

DIAMOX+ (INDEX MATCHED ITO)

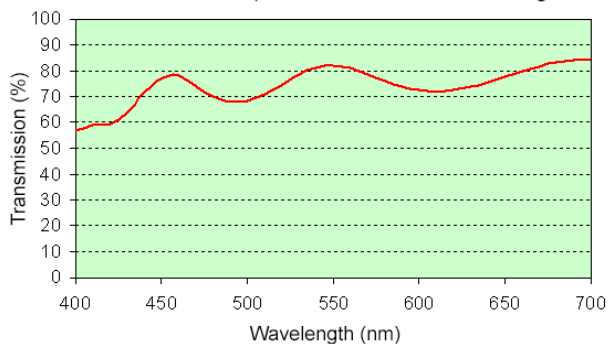
The DIAMOX+ coating is a multi-layer coating of quartz and metal oxides. The thickness of the quartz is carefully controlled to suppress unwanted reflection and enhance the transmission.

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.



Typical performance of Diamox ITO
10 Ohms/square Substrate: glass

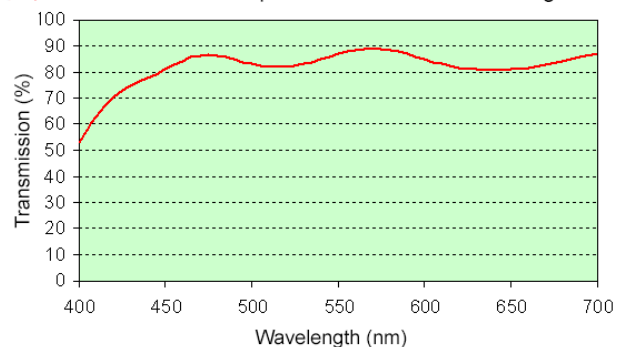


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Typical performance of Diamox+ index matched ITO
10 Ohms/square Substrate: glass



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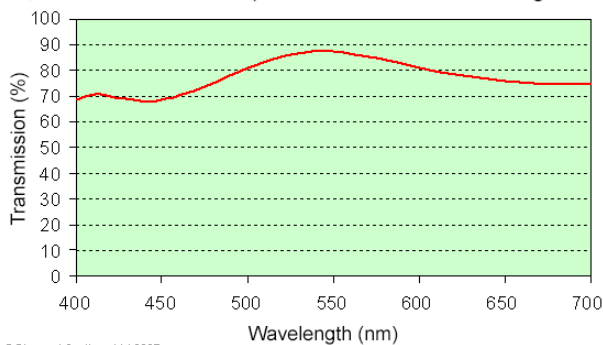
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Typical performance of Diamox ITO
20 Ohms/square Substrate: glass

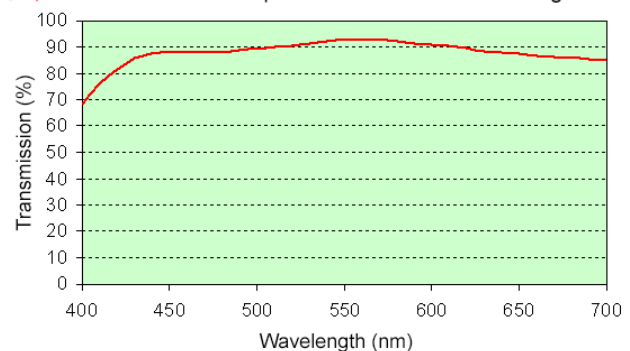


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Other typical transmission peaks between the range of 525nm & 600nm on various substrates are listed below.

	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%

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