



DIAMOND
COATINGS



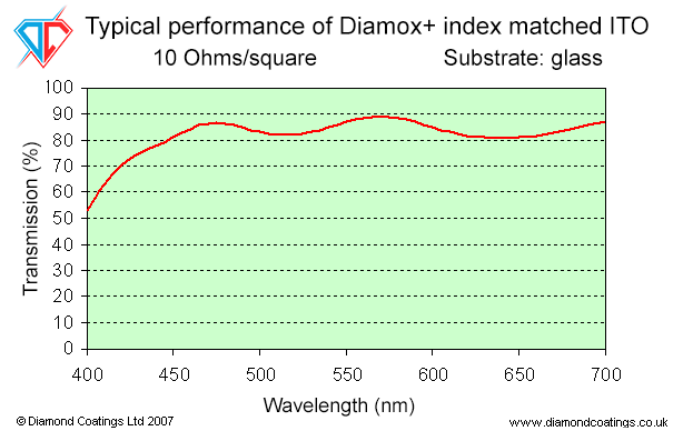
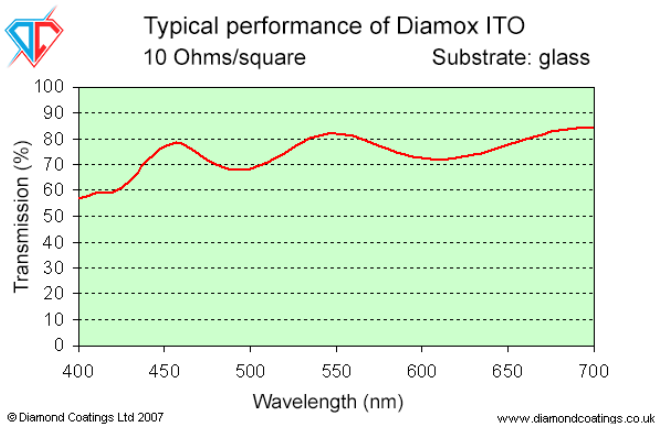
Diamond Diamox+ Coating Datasheet

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.



DIAMOND COATINGS LTD.

Unit 3&4 Sterling Park, Pedmore Road,
Brierley Hill,
West Midlands, DY5 1TB
Tel: +44 (0) 121 550 9430
Email: enquiries@diamondcoatings.co.uk
Web: www.diamondcoatings.co.uk

DIAMOND COATINGS INC.

4830 S. 36th Street,
Phoenix, Arizona,
85040
Tel: +1 (480) 999 3456
Email: sales@diamondcoatings.com
Web: www.diamondcoatings.com



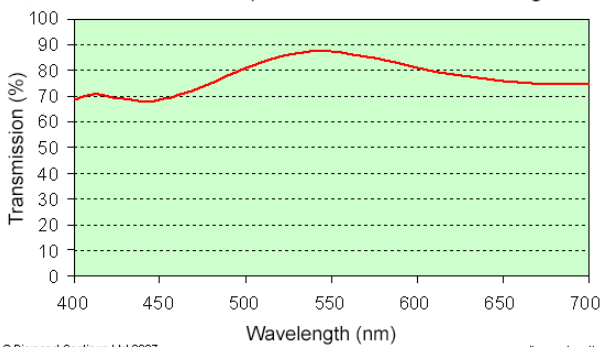
DIAMOND
COATINGS



Diamond Diamox+ Coating Datasheet



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

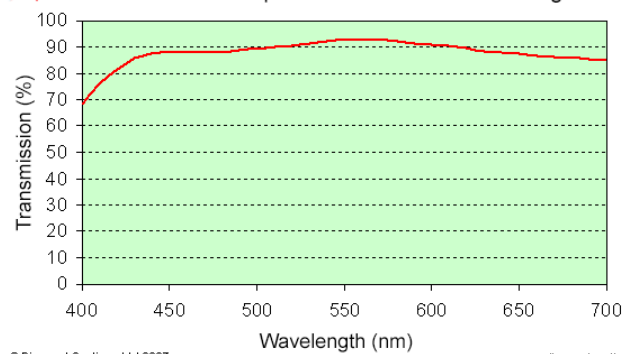


© Diamond Coatings Ltd 2007

www.diamondcoatings.co.uk



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



© Diamond Coatings Ltd 2007

www.diamondcoatings.co.uk

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%

DIAMOND COATINGS LTD.

Unit 3&4 Sterling Park, Pedmore Road,
Brierley Hill,
West Midlands, DY5 1TB
Tel: +44 (0) 121 550 9430
Email: enquiries@diamondcoatings.co.uk
Web: www.diamondcoatings.co.uk

DIAMOND COATINGS INC.

4830 S. 36th Street,
Phoenix, Arizona,
85040
Tel: +1 (480) 999 3456
Email: sales@diamondcoatings.com
Web: www.diamondcoatings.com