



# Metalisation Specifications

<b>CHROME METALLIZATION SPECIFICATIONS</b>			
<b>PARAMETER</b>	<b>HIGH REFLECTIVE CHROME (HRC)</b>	<b>MEDIUM REFLECTIVE CHROME (MRC)</b>	<b>LOW REFLECTIVE CHROME (LRC)</b>
OPTICAL DENSITY AT $\lambda=436\text{NM}$	2.8-0.2		
DEVIATION WITHIN ACTIVE AREA	<-0.1		
REFLECTIVITY AT $\lambda=436\text{NM}$	60-3%	33-3%	12-2%
FILM THICKNESS	800-50Å	900-50Å	1000-60Å
FILM ADHESION	Excellent		

<b>IRON OXIDE METALLIZATION SPECIFICATIONS</b>		
<b>PARAMETER</b>	<b>IRON OXIDE (IO)</b>	
OPTICAL DENSITY	AT $\lambda=5800\text{Å}$	0.35-0.50
	AT $\lambda=4000\text{Å}$	2.0-2.5
REFLECTIVITY AT $\lambda=436\text{NM}$	25-5%	
FILM THICKNESS	2000Å	
FILM ADHESION	Excellent	
PINHOLES AT 1-4M AFTER U.S. IPA FOR 2 MINUTES	<0.05ph/cm <sup>2</sup>	

<b>PHOTORESIST COATING PARAMETERS</b>	
PHOTORESIST COATINGS	AZ1518 and AZTFP650
PHOTORESIST THICKNESS	5300-100Å Standard Fringeless Photoresist Coating Available