



Glass Filters: Technical information sheet

Colour Correction Filters

Formatt manufacture three types of Colour Correction Filters - Colour Temperature Conversion, Light Balancing and Colour Compensating. Colour Temperature Conversion or CTC filters are the basic filters used to balance daylight film to tungsten lighting or tungsten film to daylight. They provide significant changes in colour temperature of various light sources. Technical information about these is detailed below:

<i>Technical information</i>			
Major Adjustment		Exposure	Conversion
Blue	80A	+2	3200° - 5500°K
Blue	80B	+1 2/3	3400° - 5500°K
Blue	80C	+1	3800° - 5500°K
Blue	80D	+1/3	4200° - 5500°K
Amber	85	+2/3	5500° - 3400°K
Amber	85B	+2/3	5500° - 5200°K
Amber	85C	+1/3	5500° - 3800°K

Light Balancing filters provide a more subtle shift in colour temperature. These changes make images appear 'cooler' or 'warmer'.

<i>Technical information</i>			
Fine Adjustment		Exposure	Conversion
Light Blue	82	+1/3	3100° - 3200°K
Light Blue	82A	+1/3	3000° - 3200°K
Light Blue	82B	+2/3	2900° - 3200°K
Light Blue	82C	+2/3	2800° - 3200°K
Light Amber	81	+1/3	3300° - 3200°K
Light Amber	81A	+1/3	3400° - 3200°K
Light Amber	81B	+1/3	3500° - 3200°K
Light Amber	81C	+1/3	3600° - 3200°K
Light Amber	81D	+2/3	3700° - 3200°K
Light Amber	81EF	+2/3	3850° - 3200°K

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Formatt also produce a range of combination filters blending CTC's with neutral densities. This gives two effects in one filter. These combinations are available as 81EFND, 85ND, 85BND in 0.3, 0.6, 0.9, and 1.2.

Formatt Colour Compensating filters or CC's act as sponges, absorbing excessive amounts of particular colours. These filters offer colour control of primary (red, green, blue) and secondary (yellow, magenta, cyan) levels.

Densities range from 0.025 to 0.50 and by combining different densities, it gives the flexibility to knock out specific colours as well as offering extremely fine adjustments in colour temperature.

<i>Technical information</i>								
Density	025	05	10	15	20	30	40	50
Yellow	nil	nil	+1/3	+1/3	+1/3	+1/3	+1/3	+2/3
Magenta	nil	+1/3	+1/3	+1/3	+1/3	+2/3	+2/3	+2/3
Cyan	nil	+1/3	+1/3	+1/3	+1/3	+2/3	+2/3	+1
Red	nil	+1/3	+1/3	+1/3	+1/3	+2/3	+2/3	+1
Green	nil	+1/3	+1/3	+1/3	+1/3	+2/3	+2/3	+1
Blue	nil	+1/3	+1/3	+1/3	+2/3	+2/3	+1	+1 1/3

The full range of colour correction filters from Formatt Filters can be viewed and purchased online from www.formatt.co.uk