

GWG Recommendation for use of standard ICC profiles for printing

Using this recommendation

We recommend that PDF producers creating PDF's for print contact their printer or regional association in order to communicate about the best suitable profile to be used for color conversions and proofing for a specific print job on a specific paper type. This GWG recommendation concerning standard profiles for printing can be used as a general guideline in case there is no contact between the PDF creator and the printer.

We have listed a number of well accepted ICC profiles for different printing conditions / market segments in different regions of the world. Be aware that individual countries may have agreed on different standards. In case of doubt contact your regional association.



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Workgroup**

Remark:

It is recommended to prepare a number of color settings for your most used CMYK output spaces in applications like Adobe Creative Suite. In case you do not yet know which exact CMYK output process will be used, you might use ISOcoated_v2_eci_300.icc as the default ICC profile.

Magazines and commercial jobs in sheet offset printing (Market segment: MagazineAds, SheetPrinting, ScreenPrinting)		
Europe:	We recommend to use the profiles from: ECI (European Color Initiative) and Fogra or the ISO- Fogra based versions by Adobe These profiles are based on: ISO standard 12647-2 ECI profiles can be downloaded from: www.eci.org . CoatedFOGRA39 and UncoatedFOGRA29 are shipped with Adobe CS3. For best possible results choose the ICC profile that is related to the paper that will be used for printing.	
	ISOcoated_v2_eci.icc	to be used for machine finished glossy or matte coated paper (new 2007 version with TAC 330%)
	ISOcoated_v2_eci_300.icc	to be used for machine finished glossy or matte coated paper (new 2007 version with TAC 300%)
	CoatedFOGRA39.icc	to be used for machine finished glossy or matte coated paper (TAC 330%)
	ISOuncoated.icc	to be used for uncoated papers (TAC 320%)
	UncoatedFOGRA29.icc	to be used for uncoated papers (TAC 300%)
	ISOuncoatedyellowish.icc	to be used for uncoated papers with yellowish paper tint (TAC 320%)
USA:	We recommend to use these datasets from: IDEAlliance These GRACoL profiles are based on: ISO standard 12647-2 GRACoL profiles can be downloaded from: www.IDEAlliance.org GRACoL2006_Coated1v2.icc	to be used for machine finished glossy or matte coated paper (TAC 300%)
	Sheetfed Uncoated paper - Gracol2006_Uncoated (in preparation)	to be used for uncoated papers
Japan:	We recommend to use the profiles based on Japan Color 2001 For best possible results choose the ICC profile that is related to the paper that will be used for printing.	
	JapanColor2001Coated.icc	to be used for machine finished glossy or matte coated paper (TAC 350%)
India:	We recommend to use the profiles based on ISO standard 12647-2 For best possible results choose the ICC profile that is related to the paper that will be used for printing.	
	ISOcoated_v2_eci.icc	to be used for machine finished glossy or matte coated paper (new 2007 version with TAC 330%)
	CoatedFOGRA39.icc	to be used for machine finished glossy or matte coated paper (TAC 330%)
	ISOuncoated.icc	to be used for uncoated papers (TAC 320%)
	UncoatedFOGRA29.icc	to be used for uncoated papers (TAC 300%)
	ISOuncoatedyellowish.icc	to be used for uncoated papers with yellowish paper tint (TAC 320%)
China:	Not yet defined. We recommend to use the profiles mentioned above.	

Magazines and commercial jobs in web offset printing (Market segment: MagazineAds, WebPrinting)		
Europe:	We recommend to use the profiles from: ECI (European Color Initiative) and Fogra. These ECI profiles are based on: ISO standard 12647-2 ECI profiles can be downloaded from: www.eci.org . WebCoatedFOGRA28 is shipped with Adobe CS3. As there is a great variety of papers with very different print characteristics we recommend to contact your printer to determine which profile is best suitable for your specific job and the specific paper type used for that job.	
	ISOcoated_v2_eci_300.icc	to be used for WFC papers (new 2007 version with TAC 300%)
	ISOwebcoated.icc	to be used for LWC papers (TAC 300%)
	WebCoatedFOGRA28.icc	to be used for LWC papers (TAC 300%)
	SC_paper_eci.icc	to be used for super calandered papers (TAC 270%)
	Remark: ECI-profiles for certain paper types like MFC and NP paper are not yet available but will be created by ECI. In the meantime some printers may recommend to use their custom profiles for these paper types. ECI is working on projects to supply additional profiles in the near future.	
USA:	We recommend to use these datasets from: IDEAlliance SWOP2006_Coated3v2.icc	to be used for grade 3 paper (TAC 300%)
	SWOP2006_Coated5v2.icc	to be used for grade 5 paper (TAC 300%)
Japan:	We recommend to use the profiles based on Japan Color 2001 For best possible results choose the ICC profile that is related to the paper that will be used for printing.	
	JapanWebCoated.icc	(TAC 320%)
India:	We recommend to use the profiles based on ISO standard 12647-2 For best possible results choose the ICC profile that is related to the paper that will be used for printing.	
	ISOcoated_v2_eci_300.icc	to be used for WFC papers (new 2007 version with TAC 300%)
	ISOwebcoated.icc	to be used for LWC papers (TAC 300%)
	WebCoatedFOGRA28.icc	to be used for LWC papers (TAC 300%)
	SC_paper_eci.icc	to be used for super calandered papers (TAC 270%)
China:	Not yet defined. We recommend to use the profiles mentioned above.	

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Newspapers (offset coldset on standard newsprint, Market segment: NewspaperAds, WebSpotNews)

Europe:	Make sure to choose the correct profiles for your specific region and application. We recommend to use the profiles from: IFRA These profiles are based on: ISO 12647-3:2004 The profiles can be downloaded from: www.ifra.com Profiles: ISOnewspaper26v4.icc (to be used for colour) ISOnewspaper26v4_gr.icc (grey scale profile to be used for the automatic conversion of colour images into grey scale images)	(TAC 240%)
USA:	We recommend to use the profile from: NAA.org (CGATS TR002) These profiles are based on: ISO 12647-3:2004 SNAP-2007.icc	(TAC 240%)
Japan:	We recommend to use the profiles based on Japan Color 2002 For best possible results choose the ICC profile that is related to the paper that will be used for printing. JapanColor2002Newspaper.icc	(TAC 240%)
India:	We recommend to use the profiles from: IFRA These profiles are based on: ISO 12647-3:2004 The profiles can be downloaded from: www.ifra.com Profiles: ISOnewspaper26v4.icc (to be used for colour) ISOnewspaper26v4_gr.icc (grey scale profile to be used for the automatic conversion of colour images into grey scale images)	(TAC 240%)
China:	Not yet defined. We recommend to use the profiles mentioned above.	

Magazines and commercial jobs in gravure printing (Market segment: MagazineAds, WebPrinting)

Europe:	We recommend to use the profiles from ECI (European Color Initiative). ECI profiles can be downloaded from: www.eci.org For best possible results choose the ICC profile that is related to the paper that will be used for printing. PSRgravureLWC.icc to be used for LWC papers PSRgravureMF.icc to be used for MF papers PSRgravureSC.icc to be used for SC papers PSRgravureHWC.icc to be used for HWC papers	(TAC 360%) (TAC 375%) (TAC 360%) (TAC 360%)
USA:	We recommend to use these datasets from: IDEAlliance SWOP2006_Coated3v2.icc to be used for grade 3 paper SWOP2006_Coated5v2.icc to be used for grade 5 paper	(TAC 300%) (TAC 300%)
Japan:	We recommend to use the profiles based on Japan Color 2001 For best possible results choose the ICC profile that is related to the paper that will be used for printing. JapanWebCoated.icc	(TAC 350%)
India:	We recommend to use the profiles based on 12647-2 For best possible results choose the ICC profile that is related to the paper that will be used for printing. ISOwebcoated.icc	(TAC 300%)
China:	Not yet defined. We recommend to use the profiles mentioned above.	