

Classification of papers for gravure publication printing

As of June 1, 2006

Situation

Today, a wide variety of gravure papers exists. This variety of papers sometimes causes problems, when papers are classified differently with respect to the paper class. Resulting misinterpretations may end up in production problems or loss of quality.

Notes: classification of papers

This classification of paper was developed by the gravure committee, subcommittee printing/materials (bvdm) in cooperation with the paper manufactures and is recommended for general application. The paper manufactures were asked to allocate their products into the classification. As a result, a list of papers is available (products/paper names allocated to a paper class). Contents were provided with care by all parties involved. The correctness, completeness and topicality of contents is however not guaranteed by bvdm.

The paper manufactures are requested to report changes of their papers, requiring an update of the list, to bvdm. The current version of the „classification of papers for gravure publication printing“ is available in the download area of bvdm website (www.bvdm.org).

This publication is recommended to procurement departments of publishers, gravure customers and gravure printers for communication.

Classification of papers for gravure publication printing

Developed by the gravure committee, subcommittee printing/materials (bvdm)

Gravure papers: uncoated

Paper class	Abbreviation	Description	ISO-D65-brightness R457
News-Standard	N-St	Standard newsprint without gravure adaptation	58-59
News-Plus	N-P	Improved newsprint for gravure process	68-76
Directory	Dir	Uncoated wood content for directories	56-71
SC-B	SC-B	High content of recycled paper; online calandered	65-69
SC-Standard	SC-St	Super calandered magazine paper with low content of recycled paper	67-68
SC-Plus	SC-P	Opt. improved SC paper	72-75
SC 80	SC 80	Highly opt. improved SC paper, partially semimatte	79-82

Gravure papers: coated

Paper class	Abbreviation	Description	ISO-D65-brightness R457	
LWC-Standard	LWC-St	Light weight coated catalogue or magazine paper; wood content	LWC – Catalogue	67-72
			LWC – Magazine	72-76
LWC-Plus	LWC-P	Opt. improved coated magazine paper; wood content	78-87	
MWC 90	MWC 90	Medium weight coated; double coated magazine paper; high content opt. brightener	90-92	
HWC-Wood Free	HWC-WF	Heavy weight coated, 2-3 times coated offset paper high content opt. brightener; mainly for cover production	>92	

Gravure Papers: Uncoated

News-Standard

			Mass per area g/m ²																																			
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170			
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																			
Holmen	Hallstavik	Holmen News						59	59		59		59																									
Stora Enso	Eilenburg	Flyopress G						58,5			58,5		58,5			58,5																						
UPM	Schongau	UPM News H											58			58																						
UPM	Schwedt	UPM News H										58	58																									
UPM	Steyrermühl	UPM News H										58	58																									

News-Plus

			Mass per area g/m ²																																			
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170			
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																			
Holmen	Hallstavik	Holmen Plus G68												68		68		68																				
Holmen	Hallstavik	Holmen Plus G72														72		72																				
Holmen	Hallstavik	Holmen Plus G75														75		75																				
Stora Enso	Kvarnsveden	Exopress G 68									68			68		68		68				68																
Stora Enso	Kvarnsveden	Exopress G 72												72		72		72				72	72															
Stora Enso	Summa	Silvapress										76				76		76				76																
Stora Enso	Varkaus	Silvapress						68-70	68-70		68-70																											
Myllykoski	Ettringen	MY RS						66	66				66			66		66																				
UPM	Kajaani	UPM Brite 68 G											68			68		68				68																
UPM	Kajaani	UPM Brite 72 G											72			72		72				72	72															
UPM	Kajaani	UPM Brite 76 G											76			76		76				76																

Directory

			Mass per area g/m ²																																			
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170			
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																			
Stora Enso	Varkaus	Alfa	56-61		56-61	56-61		56-61	56-61		56-61																											
Stora Enso	Varkaus	Alfa*	62-71		62-71	62-71		62-71	62-71		62-71																											
UPM	Kaipola	UPM Opalite 67 G			67	67		67																														
UPM	Kaipola	UPM Opalite G	58		61	61		61																														

SC-B

			Mass per area g/m ²																																		
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170		
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																		
Stora Enso	Varkaus	Envipress G			68-70	68-70		68-70	68-70		68-70																										
Stora Enso	Langerbrugge	Envipress G													67,5																						
Stora Enso	Maxau	Envipress G													67,5																						
Stora Enso	Maxau	Publipress matt G																						67													
Myllykoski	Ettringen	MY LPT												66						66																	
UPM	Jämsänkoski	UPM Max S																																			
UPM	Schongau	UPM Eco G													66-68																						
UPM	Steyrermühl	UPM Eco G													66-68																						

SC-Standard

			Mass per area g/m ²																																			
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170			
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																			
Holmen	Hallstavik	Scanmag Gravure																																				
Stora Enso	Kvarnsveden	Publipress G													66-67																							
Stora Enso	Langerbrugge	Publipress G													66-67																							
Stora Enso	Maxau	Publipress G													66-67																							
Stora Enso	Reisholz	Publipress G													66-67																							
Norske	Saugbrugs	Norsc G													68	68																						
UPM	Augsburg	UPM Max G																																				
UPM	Jämsänkoski	UPM Max G													64,5																							
UPM	Rauma	UPM Max G													64,5																							
SCA	Laakirchen	Grapho Gravure													68																							

SC-Plus

			Mass per area g/m ²																																			
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170			
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																			
Stora Enso	Reisholz	Magnipress G										72,5	72,5			72,5			72,5			72,5																
Stora Enso	Summa	Magnipress Bulky G											75			75							75															
Norske	Saugbrugs	Norsc Cat G													73						73				73													
Mylykoski	Mylykoski	MY Plus Gloss											77			77							77	77	77													
Mylykoski	Mylykoski	MY Plus Satin																						77														
Mylykoski	Mylykoski	MY Gold														79							79	79	83	83												
UPM	Jämsänkoski	UPM Cat						67				68			69	70																						
UPM	Kajaani	UPM Cat																																				
UPM	Kajaani	UPM Lux																																				
UPM	Rauma	UPM Cat														74																						
UPM	Rauma	UPM Lux																																				
UPM	Rauma	UPM Lux																																				
SCA	Laakirchen	Grapho Grande														73																						

SC-80

			Mass per area g/m ²																																			
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170			
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																			
Stora Enso	Reisholz	Innopress G											79			79	80																					
UPM	Kajaani	UPM Smart														77																						
UPM	Kajaani	UPM Cat 80																																				
UPM	Kajaani	UPM Lux 80																																				
UPM	Kajaani	UPM Lux 80																																				
UPM	Kajaani	UPM Lux 80																																				
SCA	Laakirchen	Grapho Prestige														79																						

MWC 90

			Mass per area g/m ²																																														
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170														
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																														
Stora Enso	Kabel	NovaPress G																										92	92	92	92	92	92	92															
Burgo	Duino	Uno Bright G																											89	89	90	90	91																
UPM	Kaukas	UPM Star G																											91	91	91	91	91	91															
UPM	Kaukas	UPM Star S G																											91	91	91	91	91	91															

HWC-Wood Free

			Mass per area g/m ²																																																													
			34	35	36	38	39	40	42	43	45	48	49	49	51	52	54	55	56	57	60	65	70	75	80	85	90	100	107	110	115	130	135	150	170																													
Manufacturer	Mill	Name/product	ISO-D65-brightness R457 for different paper weights (mass per area)																																																													
Burgo	Ardennes	R4 Chorus Roto																																																		94	94	94										
UPM	Nordland	UPM Finesse 700																																																		96	96	96			96					100	100	100

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European Color Initiative



European Rotogravure Association



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