

# Technical specification sheet

**Ball & Doggett**

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**Product:** JAC Serilux Coloured, Gloss Clear, Gloss White Vinyl

**Category:** Folio Papers - Self Adhesive

**Country of origin:** Germany

## Technical specifications:

Print carrier	Average values				
<b>JAC® SERILUX</b> is a series of flexible PVC.	<b>Type No.</b>	<b>70100</b>	<b>72100</b>	<b>74100 ff</b>	<b>72200</b>
<b>Offset-printed:</b> with UV-curing inks, which are resistant to plasticiser / suitable for films and	<b>Weight (g/m²)</b>	117	95	112	230
<b>Screen-printed:</b> with conventional (i.e. solvent-based) and UV-curing inks	<b>Thickness (µm)</b>	90	90	80	170
Consult your printing ink supplier about suitable printing inks. All printing inks should be tested for suitability prior to use.	<b>Tensile strength longitudinal (N/mm²)</b>	35	35	22	20
	<b>transverse (N/mm²)</b>	28	28	–	–
	<b>Elongation at break longitudinal (%)</b>	200	200	–	–
	<b>transverse (%)</b>	200	200	–	–
For optimal UV offset printing results we advice to use JAC® SERILUX PLUS. As well for conventional offset we recommend to use JAC® SERILUX PLUS.	<b>Transparency (%)</b>	–	–	–	–
	<b>Opacity (%)</b>	–	92	94	94
	<b>Shelf life of laminate¹</b>	2	2	2	2
For technical guidance please visit our website under Downloads "Guidelines for use – Offset / Screen printing.	<b>Max. outdoor durability² (years)</b>	2	2	2	2
	¹ Refers to adhesion and printability when stored in original packaging in dark, dry conditions at a temperature of 22 ± 2 °C and a relative humidity of 50 % ± 5 %.				
	² Under normal climatic conditions as prevailing in Central Europe				
<b>JAC® SERILUX</b> films display a high degree of tear resistance and tear propagation resistance. They also display relatively good ageing stability, water resistance and light-fastness, depending on the actual applications for which they are used. They are used for the production of high-quality labels for indoor and outdoor application.	<b>JAC® SERILUX 76100</b> – green, gloss				approx. RAL 6029
	<b>JAC® SERILUX 77100</b> – blue, gloss				approx. RAL 5019
	<b>JAC® SERILUX 78100</b> – red, gloss				approx. RAL 3000
	<b>JAC® SERILUX 72200</b> – white, gloss				approx. RAL 9016
The following print carriers are available ex stock:					
<b>JAC® SERILUX 70100</b> – crystal clear, gloss					
<b>JAC® SERILUX 72100</b> – white, gloss	approx. RAL 9016				
<b>JAC® SERILUX 72101</b> – white, matt	approx. RAL 9016				
<b>JAC® SERILUX 71100</b> – black, matt	approx. RAL 9011				
<b>JAC® SERILUX 71102</b> – black, gloss	approx. RAL 9005				
<b>JAC® SERILUX 74100</b> – SHELL yellow, gloss	approx. RAL 1021				
<b>JAC® SERILUX 75082</b> – yellow, gloss					
	For information regarding EHS regulation please visit our website under downloads "Guidelines for Use" 5.12 Product Compliance JAC Screen				

Adhesive	Average values				
All 4 listed adhesives are dispersion based acrylic adhesives with following specific characteristics.	<b>E 110</b>	<b>E 300 Super</b>	<b>A 5</b>	<b>A 2</b>	
<b>DURO E 110</b> is the standard permanent adhesive for flexible PVC films and is distinguished by its high transparency and UV stability.	<b>Adhesion (N/25 mm) (FTM 1/24 hrs bond time on st. steel)</b>	20	23	4,5	5
<b>DURO E 300 SUPER</b> is displaying extremely strong adhesion and is intended for use where a standard adhesive does not give adequate adhesion on rough and/or a-polar surfaces. (e.g. plastic containers)	<b>Tack (N/25 mm) (FTM 9 on glass)</b>	8	11	3	5
<b>NONPERM A 2</b> is the standard removable adhesive. This highly transparent adhesive is intended for use in cases where labels and stickers are intended to be removed from most common substrates up to 6 months after application under middle European exposure conditions.	<b>Recommended minimum application temperature (°C)</b>	≥ +5	≥ +5	≥ +5	≥+5
	<b>Heat resistance up to 24 hrs (°C)</b>	+80	+90	+120	+80
	<b>up to 1 hr (°C)</b>	+110	+120	+140	+125
<b>NONPERM A 5</b> is a long term removable adhesive. It displays very good guillotining properties and is ideal for both wet and dry application. Removable from most common substrates up to 1 year after application under middle European exposure conditions.	<b>Resistance to cold (°C)³ down to</b>	-40	-40	-40	-40
	<b>Ageing stability⁴</b>	good	good	good	good
	<b>Shelf life of laminate (years)⁵</b>	2	1	2	2
<b>Available combinations ex stock.</b> Reference is made to the product overview films	³) Not fully resistant until after adhesion reaches full strength – after at least 24 hrs.				
	⁴) If not exposed to direct sunlight; applied at room temperature.				

Silicone paper	Average values	
<b>B145</b> is a siliconized, special-purpose lightweight board, wood-free, matt on reverse side, moisture-stabilized through specially impregnated fibers and special coating, hence its excellent flatness.	<b>B145</b>	
	<b>Weight (g/m²)</b>	128
<b>B 145 SPLIT</b> is as above, but with scored lines running in machine direction and spaced 6,25 cm apart serving as a peel-off aid (supplied as standard with JAC® SERILUX 70100, 72100 (adhesive E 1 and JAC® SERILUX 72101 (adhesive E 110)).	<b>Thickness (µm)</b>	132