

# filmolux® 121 plus

## Technical Information

### ➤ General information

- selfadhesive, coloured soft -PVC-film for processing on cutting plotters
- cadmiumfree, opaque, surface glossy
- coated with an age-resistant and permanently elastic polyacrylic adhesive

### ➤ Areas of application

- short- and medium-term lettering and decoration for both in- and outdoors
- usable on flat surfaces
- also suitable or fullscale lamination of (foam) boards
- applicable for fairbooths, exhibition walls, signs, vehicles, shop-windows etc.
- small rolls will be used for marking books

### ➤ Important application and processing details:

The processing instructions must be strictly adhered to when applying our vinyls. When working with coloured vinyls it is especially important that rolls for one job should all come from one batch, because slight colour differences cannot be prevented from one production series to the next. The batch number is to be found on the inside of the core and on the roll label under "No. ...". Be aware of the running direction to prevent differing colour impressions. In case of doubt, do not hesitate to contact us. Details about the product life of individual colours refer to vertical adhesion in normal mid-European climates, they are guidelines and do not constitute a guarantee. Extreme conditions such as heat, intensive UV radiation and other environmental influences can limit the product life. It is additionally important to pay attention to the product life details of individual colours, eg. yellow, red and metallized colours which can differ considerably. Please note, that you alone can decide if a chosen material is suitable for your purposes. If a Neschen - product does not meet the claims made for it, in spite of the processing instructions being adhered to, our guarantee covers the replacement of the materials supplied. Further claims, especially for consequential damages, are not covered by this guarantee.

- For further information please refer to the general processing instructions in our current catalogue and on our homepage [www.neschen.de](http://www.neschen.de)

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### ➤ Technical Data

#### ➤ Carrier:

<b>Film type:</b>	coloured monomeric plasticised, soft PVC-film glossy, opak		
<b>Thickness [µm]:</b>	75 ± 6	approx. 3 mil	
<b>Weight [g/m<sup>2</sup>]:</b>	105 ± 15		
<b>Breaking Force [N/15mm]:</b>	lengthwise: > 21	crosswise: > 21	DIN EN ISO 527-3, 50 mm/min
<b>Elongation at Tear [%]:</b>	lengthwise: > 70	crosswise: > 140	DIN EN ISO 527-3, 50 mm/min
<b>Tear Resistance [N/mm<sup>2</sup>]:</b>	lengthwise: > 20	crosswise: > 20	DIN EN ISO 527-3, 50 mm/min
<b>Tear Propagation Strength [N/mm<sup>2</sup>]:</b>	lengthwise: > 140	crosswise: > 230	DIN 53363, 50mm/min
<b>Gloss [graduations]:</b>	> 75	Dr. Lange reflectometer, 60° measuring angle	

#### ➤ Adhesive:

<b>Adhesive Type:</b>	polyacrylate dispersion		
<b>pH-value:</b>	approx. 7,0		
<b>Adhesive Strength[N/25 mm]:</b>	10 min: > 7,0	24h: > 12,0	AFERA 4001

#### ➤ Backing:

<b>Type:</b>	white siliconised Paper		
<b>Thickness [µm]:</b>	132 ± 4	approx. 5,5 mil	
<b>Weight [g/m<sup>2</sup>]:</b>	138 ± 4		
<b>Removal Force [mN/cm]:</b>	55-95	speed 300 mm/min	

#### ➤ Others:

<b>Handling/Storage Conditions:</b>	18° to 25°C / 60° to 80° F; 40 to 65% relative humidity		
<b>Product Life [Years]:</b>	3 (if vertically applied in an average. mind-European climate)		
<b>Shelf Life [Years]:</b>	3		
<b>Temperature Stability:</b>	-30 to +50°C	-20 to +120°F	affixed to aluminium

All tests were performed in accordance with 23/50-2, DIN 50014.