

filmolux® 110

Technical Information

➤ General information

- selfadhesive, coloured, polymeric soft-PVC-film for processing on cutting plotters
- cadmiumfree, translucent, surface semi-matt
- coated on one side with an age-resistant and permanently elastic polyacrylic adhesive

➤ Areas of application

- especially designed for lettering and decoration of light boxes
- for applications on acrylic sheets / boards and backlit flexface
- usable for signmaking and fleet graphics on flat surfaces

➤ Processing & Handling

- please refer to the general processing instructions in our current catalogue and on our homepage www.neschen.de

➤ Advantages / Special Features

- filmolux 110 guarantees a uniform colour intensity when looked at or through
- gloss reduced surface against unwanted light reflexes

➤ Guarantee and Statement on Product Life:

We guarantee the delivery of fault-free goods. Should Neschen products be proved to have been sub-standard at the time of sale they will be replaced free of charge. 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.

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➤ Technical Data

➤ Carrier:

Film type:	coloured polymeric plasticised soft-PVC-film, semi-matt		
Thickness [µm]:	80 ± 8	approx. 3,2 mil	
Weight [g/m²]:	110 ± 15		
Breaking Force [N/15mm]:	lengthwise: > 21	crosswise: > 21	DIN 53455, 50mm/min
Elongation at Tear [%]:	lengthwise: > 130	crosswise: > 150	DIN 53455, 50mm/min
Tear Resistance [N/mm²]:	lengthwise: > 19	crosswise: > 19	DIN 53455, 50mm/min

➤ Adhesive:

Adhesive Type:	polyacrylate dispersion		
pH-value:	approx. 7,0		
Weight [g/m²]:	27 ± 3		
Adhesive Strength[N/25 mm]:	10 min: > 5,0	24h: > 10,0	AFERA 4001

➤ Backing:

Type:	white siliconised Paper		
Thickness [µm]:	100 ± 5	approx. 4 mil	
Weight [g/m²]:	125 ± 6		
Removal Force [mN/cm]:	25 to 55	speed 300 mm/min	

➤ Others:

Handling/Storage Conditions:	18° to 25°C / 60° to 80° F; 40 to 65% relative humidity		
Product Life [Years]:	7 (if vertically applied in an average. mind-European climate)		
Shelf Life [Years]:	4		
Temperature Stability:	-30 to +50°C	-20 to +120°F	affixed to aluminium

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