

filmolux performance gloss

Technical Information

➤ **General information**

- one-sided selfadhesive, transparent, gloss, cadmiumfree 80 µm polymer plastized PVC-film
- coated with a solvent-free, age resistant- and permanently elastic acrylate adhesive, with improved water resistance, which does not brittle or bleed
- glossy surface, printable with solvent based and UV-curable inks
- easy neutralising of adhesive
- no chemical reaction between solvent inks and acrylate adhesive
- permanent bonding

➤ **Areas of application**

- suitable as protection and printable film
- suitable for indoor- and outdoor use
- outdoor durability (unprinted) up to 6 years – depending on application area and purpose
- universal protective film for a wide spectrum of analogue and digital printed images
- specially suitable for vehicle advertising

➤ **Processing & Handling**

- a sufficient drying (min. 24 hours) has to be ensured before application of protective films
- recommended print film: filmolux® performance print 80
- possibly arising adhesive residues can be removed with help of denatured alcohol or benzine.
- please refer to the general processing instructions in our current catalogue and on our homepage www.neschen.com

➤ **Advantages / Special Features**

- universal medium (wide printer- and ink spectrum)
- unproblematic adhesion on smooth and domed surfaces
- serves very fast brilliant results (please ensure sufficient drying times of the inks)
- environmentally-friendly water based adhesive with improved water resistance

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➤ **Technical Data**

➤ **Carrier:**

Film type:	polymer plasticized PVC-film, transparent, glossy		
Thickness [µm]:	75 ± 5 approx. 3 mil		
Weight [g/m²]:	97 ± 5		
Breaking Force [N/15mm]:	lengthwise:> 25	crosswise:> 25	DIN EN ISO 527-3, 50mm/min
Elongation at Tear [%]:	lengthwise:> 230	crosswise:> 240	DIN EN ISO 527-3, 50mm/min
Tear Resistance [N/mm²]:	lengthwise:> 20	crosswise:> 20	DIN EN ISO 527-3, 50mm/min

➤ **Adhesive:**

Adhesive Type:	waterbased polyacrylatic dispersion		
PH-value:	approx. 7.0		
Adhesive Strength[N/25 mm]:	10 min: > 9,5	24h: > 14,0	AFERA 4001

➤ **Backing:**

Type:	double-sided siliconized paper, white		
Thickness [µm]:	54 ± 6	approx.: 2 mil	
Weight [g/m²]:	65 ± 6		
Removal Force [mN/cm]:	10 - 40	speed 300 mm/min	

➤ **Others:**

Handling/Storage Conditions:	18° to 25°C / 60° to 80° F; 40 to 65% relative humidity		
Shelf Life [Years]:	3		
Application temperature range:	5°C to 40°C / 41°F to 104°F		
End-use temperature range:	-30°C to 60°C / -22°F to 140°F		

Durability:

Indoor: excellent optical characteristics up to 9 years

Outdoor: excellent optical characteristics up to 6 years

All tests conducted under controlled climatic conditions; 23/50-2, DIN 50014

Note:

These end-use life estimates are based on accelerated ageing studies and outdoor exposure, under conditions experienced in vertical exposure and in "normal" temperated climates. Exposure to severe humidity and ultraviolet light, as e.g. in southern Europe countries, and also in tropical, sub-tropical or desert regions will cause a more rapid deterioration. This also applies to polluted areas, high altitude and southfacing exposure