

➤ **General information**

- one-sided selfadhesive, scratch resistant, sandstructured, transparent polyester-film
- washable and resistant to a large number of detergents and solvents
- coated with a solvent-free, age resistant- and permanently elastic acrylate adhesive, which does not brittle or bleed

➤ **Areas of application**

- laminating film for classical photos, display panels, inkjet- and digital print medias like paper, polyester, vinyl, etc.
- due to the special surface ideal for panel production, for instance Roll Up, Pop Up Panels and Banner Displays
- suitable for indoor- and outdoor use
- for universal application

➤ **Processing & Handling**

- if laminating inkjet-prints sufficient drying of the prints has to be ensured. We recommend min. 12 hours
- please refer to the general application tips in our current catalogue and on our homepage www.neschen.de

➤ **Advantages / Special Features**

- attractive, sandstructured finish
- high dimensional stability
- scratch resistant, extremely durable even for heavy duty service

➤ Technical Data

➤ Carrier:

Film type:	polyester, transparent, scratch resistant, sandstructured		
Thickness [µm]:	115 ± 10	approx. 4,5 mil	
Weight [g/m²]:	106 ± 10		
Breaking Force [N/15mm]:	lengthwise: > 100	crosswise: > 140	DIN EN ISO 527-3, 50mm/min
Elongation at Tear [%]:	lengthwise: > 80	crosswise: > 60	DIN EN ISO 527-3, 50mm/min
Tear Resistance [N/mm²]:	lengthwise: > 55	crosswise: > 80	DIN EN ISO 527-3, 50mm/min
Gloss [graduations]:	> 8	Dr. Lange reflectometer, 20° measuring angle	

➤ Adhesive:

Adhesive Type:	polyacrylate dispersion		
pH-value:	approx. 7,0		
Adhesive Strength[N/25 mm]:	10 min: > 11,5	24h: > 15,5	AFERA 4001

➤ Backing:

Type:	one-sided siliconised, white glassine paper		
Thickness [µm]:	54 ± 6	approx. 2 mil	
Weight [g/m²]:	65 ± 5		
Removal Force [mN/cm]:	12 to 45	speed 300 mm/min	

➤ Others:

Storage Conditions:	18° to 25°C / 60° to 80° F; 40 to 65% relative humidity		
Shelf Life [Years]:	4		
Application temperature range:	5°C to 40°C / 41°F to 104°F		
End-use temperature range:	-30°C to 100°C / -22°F to 212°F		
Humid Climate Stability: [change/no change]	n.a.		

Durability:

Indoor: excellent optical characteristics up to 6 years

Outdoor: excellent optical characteristics up to 3 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