

filmoplast R[®]

Technical Information

➤ General Information

- ultra-thin, wood-free, transparent special paper
- the paper contains neither lignin nor hemi-cellulosis, but therefore a high percentage of alpha-cellulosis
- coated on one side with a heat-activated, plasticiser-free acrylate copolymer

➤ Areas of Application

- (hot-)sealing of documents, newspapers etc. (either by laminator or sealing press)
- fissure repairs on modern papers

➤ Processing & Handling

- recommended temperature >110° C (approx. 230°F)
- detachable with acetone, alcohol or heat (recommended method)
- prior to detachment trials with acetone and alcohol, sufficient resistance of colors and inks against the solvents is to be tested
- prior to detachment trials with heat, reactivation (melting) by sufficient heating must be granted, to ensure detachment without mechanical damage
- for initiative as well as professional Tips on the Application please refer to the current Neschen catalogue „Products for libraries, archives and picture framers“

➤ Advantages / Special Features

- Certified anti-aging-properties! Tested (by the Papiertechnische Stiftung (“Foundation for Paper Technology”), Munich, (PBA-No. 21.495/3).
- easy and secure handling, for the heat activated adhesive needs no masking by siliconised paper (product is wound upon itself)
- the contained chalcogenic-carbonates neutralize and buffer the harmful acid substances, generated or included in many kinds of papers
- disposable via normal or paper waste
- further information or references will be given on demand

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➤ Technical Data

➤ Carrier

Film type:	white special purpose paper		
Thickness [µm]:	76 ± 8	approx. 3 mil	
Weight [g/m²]:	40 ± 2		
Breaking Force [N/15mm]:	lengthwise: 41 ± 5	DIN 53455, 50mm/min	
Elongation at Tear [%]:	lengthwise: 2,0 ± 0,7	DIN 53455, 50mm/min	
Tear Resistance [N/mm²]:	lengthwise: 33 ± 4	DIN 53455, 50mm/min	

➤ Adhesive:

Adhesive Type:	Polyacrylate Dispersion		
PH-value:	approx. 7,5		
Weight [g/m²]:	35 ± 3		
Adhesive Strength[N/25 mm]:	10 min: > 4,3	24h: n.a.	AFERA 4001

➤ Masking:

Type:	white paper, siliconised on one side		
Thickness [µm]::	54 ± 6	approx. 2 mil	
Weight [g/m²]:	65 ± 6		
Removal Force [mN/cm]	15 ± 10	speed 300 mm/min	

➤ Others:

Handling/Storage Conditions:	18° to 25°C / 60° to 80° F; 40-65% relative humidity		
Shelf Life [Years]:	4		
Temperature Stability:	-30 - +50°C	-20 - +120°F	affixed to aluminium
pH-Evolution in the Product [referring to PTS-Method]:	fresh Product: pH 8,7	aged Product: pH 7,8	
Humid Climate Stability:	the defined purpose of this product excludes its application in extremely humid surroundings		

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