



POLIFILM

PROTECTIVE FILMS ALUMINIUM PROFILES

OPTIMUM SURFACE PROTECTION THROUGHOUT
PRODUCTION PROCESSING, MANUFACTURING
AND OTHER ASSOCIATED OPERATIONS.

EXCELLENCE IN FILMS

PROTECTION FILMS QUALITY ASSURANCE

IN PROFILE PROCESSING

Whether new construction, renovation or refurbishment Aluminium enjoys great popularity among architects and building owners. Windows, doors and facades made from this high-quality material offer a high degree of flexibility in shape and colour and can be easily integrated into the most diverse building architectures. Used as a facing panel, aluminium also serves to extend the colour scope of plastic profiles. There are virtually no limits to the visual and tactile qualities of aluminium, as countless colour and structural effects can be achieved using classic powder coating or anodising techniques.

Carefully protected from production to assembly.

Powder coating and anodising not only offer design variety, but are also essential for the durability and value retention of modern aluminium constructions. For metal fabricators and window manufacturers, quality assurance and thus the optimum protection of the finished surfaces therefore plays an important role.

Aluminium surfaces are exposed to heavy loads during the manufacturing process. Hard, sharp-edged swarf created when sawing or drilling aluminium, can damage the high-quality coatings of the profiles. But even beyond that, throughout the entire process chain from the metalworking shop to the completion of a construction project, quality can be impaired; surfaces can be scratched and scrap is produced.



The POLIFILM PROTECTION range offers you a wide variety of film solutions tailored for the high-performance protection of finished aluminium profile surfaces. Protective films perfectly engineered to the special requirements of metal and window construction and precisely designed for a wide range of surface structures and gloss levels.

Demand-oriented: highly functional solutions for optimum adhesion and perfect protection for modern contemporary finishes such as particularly rough structural effects or deep matt surfaces.



OPTIMUM ADHESION.

Suitable for a wide range of applications due to the use of adhesive systems based on acrylic and natural rubber. Regardless of which aluminium surface structures need to be protected, ideally adapted adhesive formulations and precisely defined adhesive forces achieve extremely stable and reliable adhesion and thus exactly the level of protection that your application requires.



HIGHLY RESILIENT.

POLIFILM protective films resist even high mechanical loads. They have excellent puncture and shear resistance and can be processed without tearing. Your profile is always optimally protected during processing.



REMOVED WITHOUT A TRACE.

Excellent removal properties such as tear resistance and residue free removal guarantee a flawless appearance of the profiles at all times whether during processing or following extreme temperature variations or strong UV exposure.



ROBUST DESIGN.

Aluminium structures used in architectural applications are normally much larger and sturdier than PVC systems, this creates high demands on a protective film when used on such substantial constructions. POLIFILM PROTECTION films have the robustness needed to cover all eventualities.



VERSATILE APPLICATION.

Both the carrier film and adhesive system have been precisely engineered to cover each and every method of application. Should this be a fully automated application machine, a hand-held applicator or even with simple hand application; optimal application and quality assurance is guaranteed.



FLEXIBILITY TO SUIT YOUR NEEDS.

Protective films available in a variety of film widths for the precise protection of a wide range of aluminium profile constructions.

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AT A GLANCE PROTECTIVE FILMS FOR ALUMINIUM PROFILES

Highly efficient film solutions for the protection of profile surfaces during processing and beyond.

CHARACTERISTICS OF THE FILM						SURFACE		
PRODUCT TYP	ADHESIVE TYP	ADHESIVE STRENGTH	FILM THICKNESS (µm)	COLOUR*	UV RESISTANCE** (month)	SMOOTH	STRUCTURED	VERY STRUCTURED MAT
PF562 C	Natural rubber	low/medium	65–80	B/W	12	•		
PF12/3 WP	Acrylic, water-based	medium	50/70	TR	6	•		
PF563 C/N	Natural rubber	medium/high	65/70/80	B/W	12	•	•	
PF565 D	Acrylic, water-based	medium /high	80	B/W	6	•	•	
PF12/4 WP	Acrylic, water-based	medium/high	50/70	TR	6		•	
PF564 C	Natural rubber	high	80/100	B/W	12		•	•
PF564 C/N/HS COMBI	Natural rubber	high	65	B/W	12		•	•
PF565C	Natural rubber	very high	80	B/W	12			•
PF569	Acrylic, solvent-based	very high	80	B/W	6			•

*B/W = Black/White; TR = Transparent | ** UV-resistance according to Western European climate / observe the remarks in the data sheet



PRINTING TECHNOLOGY.

POLIFILM extends their service to you! We are able to provide all protective films with your individual design; your brand, your logo, your processing instructions; you decide! By using state-of-the-art printing technologies, we guarantee you a high-quality print image at all times leaving our customers with an optimal presentation of their product.

POLIFILM can design a film utilising various printing technologies, from Top Printed with specific release coats, TRAP Printing or Over Laminated Printing. Each solution can print up to 3 colours whilst enabling a variety of characteristics to be built in to the finished product, for example low co-efficient of friction, high abrasion resistance, UV resistance without fading, reduced risk of Ghost images to name a few.

POLIFILM PROTECTION. YOUR PARTNER FOR TEMPORARY PROTECTION.

For over 40 years we have been providing sophisticated, effective protection that ensures your surfaces are fully protected throughout production processing, manufacturing and other associated operations. As a process partner and specialist in co-extrusion, adhesive development and coating, we are in a unique position to develop film solutions to meet your exacting requirements offering total protection of the high quality products you produce.



PROTECTION WITHOUT LIMITS. JUST A FEW CLICKS AWAY.



Surface Protection solutions where you need them, when you need them, with consistently reliable service and excellent quality standards: that is our customer promise. As part of the family run POLIFILM Group, one of the leading manufacturers of polyethylene film solutions, we have a global network of production sites, sales offices, service and logistics centres and trusted distribution partners. We can therefore combine rapid response at a local level, with the flexibility of a global player backed by a reliable family business.

PRODUCTION LOCATIONS

Germany
France
Italy

Israel
China
USA

DISTRIBUTION LOCATIONS

Germany
France
United Kingdom
Italy
Spain
Israel

China
Mexico
South Africa
Turkey
USA
Australia

GLOBAL DISTRIBUTION PARTNER NETWORK

More than
20 distribution partners
worldwide