

Description

Highly transparent glossy polyurethane film with outstanding UV-resistance, excellent tear strength, and self-healing surface. That means light scratches on the surface (e.g. originating from squeegees, cleaning brushes) can be removed easily by applying heat (e.g. solar radiation, heat gun).

Release Paper

Polyester film, siliconised on one side, 100 µm

Adhesive

Solvent polyacrylate, permanent

Area of use

For the protection of sensitive surfaces against mechanical forces in interior and exterior applications. Specially designed for the protection of vehicle body parts such as front and rear bumpers, side skirts etc. against stone chipping. Recommended for bonding to even and slightly curved surfaces.

Technical Data

Thickness* (without protective paper and adhesive)	130 micron
Dimensional stability (FINAT TM 14)	Adhered to steel, shrinkage 0,2 mm max.
Temperature resistance***	Adhered to aluminium, -40° C to +100° C, no variation
Sea water resistance (DIN EN ISO 9227)	Adhered to aluminium, after 100h/35° C, no variation
Resistance to solvents and chemicals	At room temperature, 72h after adhesion to aluminium, short-term resistance to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	18 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: min. 34 MPa Across: min. 34 MPa
Elongation at break (DIN EN ISO 527)	Along: min. 550% Across: min. 550%
Shelf life**	2 years
Application temperature	> +10° C
Service life by specialist application under vertical outdoor exposure (standard central European climate)	7 years

* average ** in original packaging, at 20°C and 50% relative humidity

*** normal climate of Central Europe

Note

Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. [We recommend a wet application of the film.](#) Furthermore, the application information published by ORAFOL must be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

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