

**280 F****Stone Guard Film****Description**

Polyurethane film with outstanding UV resistance and excellent tear strength. Highly transparent gloss finished surface.

**Release paper**

Polyester film, siliconized on one side, 100µm

**Adhesive**

Solvent polyacrylate, permanent

**Area of use**

For the protection of sensitive surfaces against particularly strong mechanical forces in interior and exterior applications. Especially designed for the application as a stone chipping protection film on vehicle body parts such as fender, rear bumper deck or side skirt, etc. Recommended for bonding to even and slightly curved surfaces.

**Technical Data**

<b>Thickness*</b> (without protective paper and adhesive)	200 micron
<b>Dimensional stability</b> (FINAT TM 14)	adhered to steel shrinkage 0.2 mm max.
<b>Temperature resistance***</b>	adhered to aluminium, -40°C to +100°C, no variation
<b>Sea water resistance</b> (DIN 50021)	adhered to aluminium, after 100 h/23°C no variation
<b>Resistance to solvents and chemicals</b>	at room temperature, 72h after adhesion to aluminium, short-term resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
<b>Adhesive power*</b> (FINAT TM 1, after 24h, stainless steel)	22 N/25 mm
<b>Tensile strength</b> (DIN EN ISO 527)	along: min. 34 MPa across: min. 34 MPa
<b>Elongation at break</b> (DIN EN ISO 527)	along: min. 550% across: min. 550%
<b>Shelf life**</b>	2 years
<b>Application temperature</b>	> +10°C
<b>Service life by specialist application</b> under vertical outdoor exposure (normal climate of Central Europe)	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 from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be dried and cured completely. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore the application information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

