TuningFilm Iridescent
Technical Data Sheet

PRODUCT DESCRIPTION
TuningFilm Iridescent are 100µm soft cast vinyl films coated with a low tack high performance acrylic adhesive. These products have a variation of colour according to the viewing angle.

CONSTRUCTION
Face material:
100µm soft cast vinyl, glossy, cadmium-free.
Adhesive:
Repositionable solvent based acrylic adhesive.
Liner:
Highly stable 130 gsm white PE coated paper.

TYPICAL USES
TF Iridescent are designed for partial or full Vehicle & Boat Hulls wrapping (above water line).

EXPECTED DURABILITY
Expected durability of the unprocessed product is up to:
Interior decoration: 8 years
Exterior application:

<table>
<thead>
<tr>
<th>Vertical exposure</th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pearl</td>
<td>4 years</td>
<td>3 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Blue-Green</td>
<td>4 years</td>
<td>3 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Fuchsia-Green</td>
<td>4 years</td>
<td>3 years</td>
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<tr>
<td>Pearl</td>
<td>2.5 years</td>
<td>2 years</td>
<td>Not Recom</td>
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This information is based on successful real life experience and artificial aging according to ISO4892-3.
Exterior boat application: above data reduced by 30%
Zone 1: North, West, Central & Eastern Europe, North America (excl. : USA desert’s - zone 3)
Zone 2: South Europe, Central & South America, Asia Pacific, Australian South coastal area (from Perth to Brisbane), New Zealand
Zone 3: Greater Middle East, Africa, Australian Desert areas & North of Perth-Brisbane coastal area, USA (Arizona, California, Florida, Nevada, New Mexico, Texas, Utah), Mexico

SHELF LIFE
2 years stored at 15 to 25°C and ±50 % relative humidity.

PHYSICAL PROPERTIES (Typical values)
<table>
<thead>
<tr>
<th>Thickness (mm) (Film + adhesive)</th>
<th>ISO 543</th>
</tr>
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<tr>
<td>0.135</td>
<td></td>
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<tr>
<th>Face Material Data, 23°C</th>
<th>DIN 53455-5</th>
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<tr>
<td>Tensile strength</td>
<td>&gt; 25 N/15mm</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>&gt; 150 %</td>
</tr>
</tbody>
</table>

Adhesive Data, 23°C
Peel adhesion 180° on stainless steel (N/25mm)
- 20 min. residence: 14
- 24 hour residence: 18
- 1 week residence: 23

Dimensional stability
Shrinkage (48 hours at 70°C) : < 0.2 %
(25 cm x 25 cm, sample mounted on aluminium).

Temperature ranges:
Application : +15°C to + 40°C
End-use : - 40°C to + 90°C

Flammability
ISO 3795
Sample mounted on aluminium : self-extinguishing.

Solvent and chemical resistance
Resistant to most oils and grease, fuel, aliphatic solvents, weak acids, salts and alkalis.

PROCESSING
Clean and degrease the substrate
All surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination. Use soapy water to remove the dust and degrease with isopropyl alcohol.

Application
on flat or slightly curved surfaces
Apply TF Iridescent with the dry application method.
on convex areas
Heat the film with a heat gun before conforming it over the convex area.
on corrugated or concave areas
If the film is stretched into a corrugation it may pop-out after a few weeks.
It is, therefore, recommended to cut the film and to apply it in the corrugation without tension.
on rivets
Apply the film over the rivet with high pressure and heat it with a heat gun (air temperature over 500°C). The film may lift slightly after few weeks.

Application on boat
We recommend edge sealing.

Removability
Once heated, TF Iridescent are very easy to remove, leaving almost no adhesive residue on car body.
Some adhesive residue may be expected on gel coat after film removal. Eventual adhesive residues can be removed with isopropyl alcohol.
Removability is warranted only on original manufacturer coating.

Important remark
Compatibility with paints and lacquers should be tested by the end-user, prior to use.
IMPORTANT NOTICE

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