

TuningFilm 700 BF – Sublime

Technical Data Sheet

PRODUCT DESCRIPTION

TF 700 BF Sublime is a 85m polymeric stabilized vinyl film coated with a low tack micro-structured acrylic adhesive.

CONSTRUCTION

Face material:

85µm ultra-gloss or matt polymeric stabilized calendered vinyl, cadmium-free.

Adhesive:

Repositionable clear solvent based acrylic adhesive.

Liner:

Highly stable 145 gsm white micro-embossed PE coated paper.

TYPICAL USES

TF 700 BF Sublime is designed for Vehicle & Boat Hulls Wrapping (above water line).

The main characteristic of this series is the easiness of application, thanks an excellent repositionability and the Micro-structured adhesive used.

Wrapping has never been so easy !

EXPECTED DURABILITY

Expected durability of the unprocessed product is up to:

| Vertical exposure | Zone 1 | Zone 2 | Zone 3 |
|--------------------------|---------|---------|-----------|
| white & black | 8 years | 6 years | 4 years |
| colours | 7 years | 5 years | 3.5 years |
| metallics | 6 years | 4 years | 3 years |

| Horizontal exposure | Zone 1 | Zone 2 | Zone 3 |
|----------------------------|-----------|-----------|-----------|
| white & black | 5 years | 3.5 years | Not Recom |
| colours | 4 years | 3 years | Not Recom |
| metallics | 3.5 years | 2.5 years | Not Recom |

This information is based on successful real life experience and artificial aging according to ISO 4892-2.

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 15-25°C and ± 50 % relative humidity.

Due to the specific product construction, TF 738-66, TF 738-68, TF 778-05 and TF 778-06 have a reduced shelf life of 9 months, when stored at 15-25°C and ± 50 % relative humidity

PHYSICAL PROPERTIES (Typical values)

Thickness (mm) (Film + adhesive) ISO 543
0.115

Face Material Data, 23°C DIN ISO 527-3

Tensile strength : > 29 N/15mm

Elongation at break : > 150 %

Adhesive Data, 23°C

FTM 1

Peel adhesion 180° on stainless steel (N/25mm)

- 20 min. residence: 16

- 24 hour residence: 18

- 1 week residence: 20

Dimensional stability

FTM 14

Shrinkage (48 hours at 70°C) : < 0.3mm

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 700 BF Sublime 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 results in application failure after few weeks.

It is, therefore, recommended to cut the film and to apply it in the corrugation without tension.

Application on boat

We recommend edge sealing.

Removability

Once heated, TF 700 BF Sublime is very easy to remove, leaving almost no adhesive residue on car body.

Some adhesive residue may be expected on gel coat boat hulls 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.
- Due to the unique finish and manufacturing process of TF700, variances in colour can be visible when the material is oriented in different directions When utilizing TF700, always keep the application direction of the film consistent with the orientation of the film when cut from the roll and applied to the vehicle.

- Some slight colour shift may occur between rolls or lots, therefore, minimizing the mixing of rolls/lots on a specific vehicle is encouraged.

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