

TuningFilm 800 BF – Stellar

Technical Data Sheet

PRODUCT DESCRIPTION

TF 800 BF Stellar is 120µm cast vinyl coated with a low tack micro-structured acrylic adhesive.

CONSTRUCTION

Face material :

120 µm sparkling double layer cast vinyl, cadmium-free.

Adhesive :

Repositionable clear solvent based acrylic adhesive.

Liner :

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

TYPICAL USES

TF 800 BF Stellar is designed for Vehicle & Boat Hulls Wrapping (above water line).

It can also be used for various furniture's & interior decorations.

EXPECTED DURABILITY

Expected durability of the unprocessed product is up to:

Interior decoration: 10 years

Exterior application:

Vertical exposure	Zone 1	Zone 2	Zone 3
All Colours	5 years	4 years	3 years

Horizontal exposure	Zone 1	Zone 2	Zone 3
All Colours	3 years	2 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.

PHYSICAL PROPERTIES (Typical values)

Thickness (mm) (Film + adhesive) ISO 543
0.150

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

Tensile strength : > 35 N/15mm

Elongation at break : > 150 %

Adhesive Data, 23°C

FTM 1

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

- 20 min. residence: 17

- 24 hour residence: 19

- 1 week residence: 21

Dimensional stability

FTM 14

Shrinkage (48 hours at 70°C) : < 0.25mm

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 800 BF Stellar with 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 800 BF Stellar is 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.



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