

TuningFilm Iridescent Blue-Green & Fuchsia-Green

Technical Data Sheet

PRODUCT DESCRIPTION

TuningFilm Iridescent Blue-Green and Fuchsia-Green are 60µm soft cast vinyl films coated with a low tack high performance acrylic adhesive.

These products have 2 colours according to the viewing angle: either a variation between the blue and green colour, either a variation between fuchsia & green colour.

CONSTRUCTION

Face material :

60µm soft cast vinyl, glossy, cadmium-free.

Adhesive :

Repositionable black solvent based acrylic adhesive.

Liner :

Highly stable 130 gsm white PE coated paper.

TYPICAL USES

TuningFilm Iridescent Blue-Green and Fuchsia-Green are designed for vehicle striping and/or full car wrapping.

DURABILITY

Vertical exposure: 3-4 years in zone 1 (North & central Europe)

Horizontal exposure : reduced by 40%

These use-life estimates are based upon accelerated ageing studies and outdoor exposure, under conditions experienced in vertical exposure and in West Europe.

Note : Exposure to severe temperatures and ultraviolet light, as well as conditions in Southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude, horizontal and south-facing exposure.

SHELF LIFE

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

PHYSICAL PROPERTIES (Typical values)

Thickness (mm) (Film + adhesive) ISO 543

0.100

Face Material Data, 23°C DIN 53455-5

Tensile strength : > 15 N/15mm

Elongation at break : > 150 %

Adhesive Data, 23°C

FTM 1

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

- 20 min. residence: 14

- 24 hour residence: 18

- 1 week residence: 23

Dimensional stability

FTM 14

Shrinkage (48 hours at 70°C) : < 0.2 %

(25 cm x 25 cm, sample mounted on aluminium).

Temperature ranges :

Application : +10°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 the car surface with isopropyl alcohol.

Application

on flat or slightly curved surfaces

Apply directly on the car by the dry application method.

on convex areas

Heat the film with a heat gun before stretching it over the convex area.

on corrugated or concave areas

If the film is stretched into a too deep 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.

Removability

Once heated, TuningFilm Iridescent Blue-Green and Fuchsia-Green can be removed with small adhesive residue on the car body.

Important remarks

The compatibility of paints and lacquers should be tested by the end-user, prior to use.

IMPORTANT NOTICE

All MACTac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning MACTac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

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