CANDYFENCE

Manufacturer source: FTP.FPS.142.C 07.26

PRODUCT DESCRIPTION

This PPF range is composed of self-healing, coloured, flexible, polyurethane-based, multi-layered films, which are coated with a pressure-sensitive acrylic adhesive. These films are designed for the decoration and protection of vehicles. They protect the door sills, bodywork and painted plastic parts (bumpers, door mirror casings, etc.) from scratches, chips caused by stones, insect stains, contact with car doors and washing brushes. Glossy or satin surface finish.

FILM FEATURES

Property	Value	Test method
Total thickness (film + adhesive)	180 µm (7.1 mil) ± 10 %	-
Tensile strength	> 100 N/25 mm	HEXNFX41021
Elongation at break	> 150 %	HEXNFX41021
Shrinkage after 168 hours at 70 °C (158 °F)	< 0.2 mm	HEXRET001

Thickness is indicative; the other mechanical properties are average values. mil = one thousandth of an inch (25.4 µm).

LINER AND SURFACE PROTECTION

50 µm PET surface protection film, depending on the product code. 140 µm silicone-coated, embossed PET liner.

ADHESIVE PROPERTIES

Average values measured at the time of publication of the manufacturer sheet.

Property	Value	Test method
180° peel strength, 20 minutes after application	≥ 8 N/25 mm	HEXFTM001
180° peel strength, 24 hours after application	≥ 12 N/25 mm	HEXFTM001
Initial tack	≥ 12 N/25 mm	HEXFTM009
Liner release force	0.2 N/25 mm	HEXFTM003

ADHESIVE

Solvent-based acrylic adhesive. Immediate, permanent adhesion; optimum adhesion after 24 hours of contact.

APPLICATION INSTRUCTIONS

Dry or wet application. The structure of the adhesive side allows the film to be repositioned on the substrate. Use a squeegee to remove remaining air bubbles and application liquid efficiently.

Minimum application temperature: +10 °C (+50 °F). Apply preferably between +15 °C and +35 °C (+59 °F to +95 °F).

Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).

The CANDYFENCE range is intended for partial or full vehicle-body wrapping and protection.

On CANDYFENCE products that have a surface protection film, remove this layer before any processing, particularly before plotter cutting or application.

Cut the film to the size of the part to be covered, allowing an extra 10 cm (4 in.). Keep the remaining film on its original core. Do not divide the roll into smaller rolls by length or width, or repackage the product. Immediately secure the roll after use with masking tape or roll clamps to preserve its properties.

Apply to a clean surface free from dust, grease, wax, silicone and other contaminants. Pay particular attention to corners and edges so the film can adhere properly.

On painted substrates, apply only to undamaged original paintwork. Application to, and removal from, non-original or damaged paintwork are at the installer’s judgement and risk.

Superficial micro-scratches can disappear when the film is heated to between 45 °C and 70 °C (113 °F to 158 °F). Use a heat gun to activate self-healing; do not exceed 70 °C.

RECOMMENDATIONS FOR USE

For detailed application instructions, consult the CANDYFENCE application guide on www.hexis-graphics.com, under Professionals / Application Guides / Solar and safety films.

STORAGE

Storage period before use	1 year
Storage temperature	+15 °C - +25 °C (+59 °F - +77 °F)
Relative humidity	50 %
Storage environment	Dust-free environment
Packaging	Original packaging
Roll orientation	Upright

DURABILITY - CENTRAL EUROPEAN CLIMATE

Vertical exposure: up to 10 years under normal road-use conditions.

Durability depends on the substrate, its preparation, exposure conditions, and the type and frequency of cleaning. A south-facing exposure is estimated to halve durability; the same applies to horizontal exposure. Temperatures above +50 °C (+122 °F) and pollution significantly reduce durability. For other exposures and geographical areas, consult the manufacturer's conversion tables under Professionals / Durability on www.hexis-graphics.com.

NOTES

If in doubt, seek an expert assessment of compatibility between the film and the glass concerned.

The installer must check product suitability for each substrate and application. Published information is based on regular laboratory measurements and does not constitute a binding guarantee. The seller accepts no liability for indirect damage or claims exceeding the replacement value of the purchased product. Specifications may change without notice; current versions are available on www.hexis-graphics.com.

Manufacturer source: HEXIS FTP.FPS.142.C 07.26