BLACK LIGHT

English edition | Distributed by Multisign

Manufacturer source: FTP.FPS.064.E 10.25

PRODUCT DESCRIPTION

BLACKLIGHT is an adhesive film specially developed for protecting transparent vehicle surfaces. Due to its excellent shock-absorbing properties, this film protects glazings, head and back lights, etc. against chips caused by stones, insects, washing brushes, etc. Glossy, light grey, transparent surface finish.

FILM FEATURES

Property	Value	Test method
Total thickness (film + adhesive)	130 µm (5.1 mil) ± 10 %	-
Tensile strength	> 25 N/25 mm	HEXNFX41021
Elongation at break	> 200 %	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

Silicone-coated 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	11 N/25 mm	HEXFTM001
180° peel strength, 24 hours after application	12 N/25 mm	HEXFTM001
Initial tack	7 N/25 mm	HEXFTM009
Liner release force	0.1 N/25 mm	HEXFTM003

ADHESIVE

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

APPLICATION INSTRUCTIONS

Wet application method.

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).

Withstands bulb heat of up to 140 °C (284 °F) for 3 hours.

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 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.

Apply only to an undamaged substrate. On damaged surfaces, application and removal are at the installer’s judgement and risk.

BLACKLIGHT is intended for exhibition vehicles or vehicles used away from public roads, such as private tracks and circuits. Before any other modification of vehicle lighting, signalling or glazing, check the legislation in the country of use. HEXIS accepts no liability for non-compliance with that legislation.

RECOMMENDATIONS FOR USE

HEXIS offers plastic and felt squeegees in a range of hardnesses to facilitate application.

For detailed application instructions, consult the BLACKLIGHT 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 7 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 in the northern hemisphere 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.064.E 10.25