BF SHIELD

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Manufacturer source: FTP.FPS.136.E 06.26

PRODUCT DESCRIPTION

BFSHIELD is a transparent, self-healing, adhesive-coated film that was specially developed for protecting vehicle windscreens against impacts and scratches. Due to its self-healing properties at room temperature, stone chips and micro-scratches caused by windscreen wipers, for example, disappear instantly. Excellent water evacuation due to its water-repellent surface. Application to the exterior of windshields.

FILM FEATURES

Property	Value	Test method
Total thickness (film + adhesive)	180 µm (7.1 mil) ± 10 %	-
Visible light transmission	≥ 90 %	-
Maximum UV transmission	≤ 1 %	-

Indicative values. mil = one thousandth of an inch (25.4 µm).

LINER AND SURFACE PROTECTION

Surface protection: polyester film with silicone-coated adhesive. Adhesive protection: silicone-coated polyester liner.

ADHESIVE PROPERTIES

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

Measurement substrate: glass.

Property	Value	Test method
Adhesion to glass, 24 hours after application	6 N/25 mm	HEXFTM001

ADHESIVE

Acrylic adhesive.

APPLICATION INSTRUCTIONS

Recommended minimum application temperature: +18 °C (+64 °F).

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

To avoid optical distortion and achieve an optimal installation, the installer must have completed HEXIS BODYFENCE and/or TEAR-OFF training.

Outside the application process, handle BFSHIELD only with clean, dry hands. Apply without thermoforming.

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.

Carry out an application test under actual working conditions to adjust the HEXISOAP concentration for optimal squeegee glide. Use tools specifically designed for automotive window films, such as SHAGPAM or SHAGMITCH squeegees.

Position the film using the wet method with diluted HEXISOAP: 7-8 pump doses per litre of water. After positioning the adhesive film on the windscreen and before final application, remove its surface protection film while spraying with the diluted HEXISOAP solution.

Apply with the diluted HEXISOAP solution. If the squeegee meets resistance, add one further pump dose of HEXISOAP per litre of water to the sprayer and spray the film surface again.

Adhesion is almost immediate: do not peel the film back after application. It continues to conform to the glass and reaches maximum transparency after a few days.

Use silicone windscreen wipers. Clean them regularly and replace them at the first signs of wear. Operate the wipers only on a wet windscreen.

Remove frost with a de-icing liquid such as HOLTS® AERO DE-ICER. Do not use abrasive snow brushes, ice scrapers or sharp tools such as metal scraper blades; they can seriously damage the film.

RECOMMENDATIONS FOR USE

Before modifying vehicle glazing, check the legislation in the country of use. HEXIS accepts no liability for non-compliance.

Clean with soapy water or glass cleaner and a non-abrasive sponge. Remove bird droppings, dirty liquid residues, insects, mud, dust and other contamination promptly. Dry with a rubber squeegee in good condition or a clean microfibre cloth.

HEXIS recommends regular NANOSERUM by HEXIS treatment to extend film life and restore water repellency and self-healing. Prolonged windscreen-wiper use may require monthly treatment.

STORAGE

Storage period before use	1 year
Storage temperature	+18 °C - +22 °C (+64 °F - +72 °F)
Relative humidity	40-60 %
Storage environment	Packaging on a dry, completely flat, level surface
Packaging	Original packaging
Roll orientation	Horizontal

DURABILITY - CENTRAL EUROPEAN CLIMATE

Vertical exposure: up to 1 year under normal road-use conditions. Service life depends on the substrate, its preparation, exposure conditions, and the type and frequency of cleaning.

NOTES

Because glazing types and materials vary, the user must verify the film’s compatibility with the substrate for each application. If in doubt, consult a qualified professional. Published data is indicative and based on regular laboratory measurements; it is not an absolute performance guarantee. The seller accepts no liability for indirect damage, and liability is limited to the price of the products concerned. Specifications may change without notice; updates are available on www.hexis-graphics.com.

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