DFENCE XTRM

Manufacturer source: FTP.FPS.123.D 11.24

PRODUCT DESCRIPTION

DFENCEXTRM is a transparent, adhesive-coated film, which is self-healing at ambient temperature and specially developed for protecting the front side of vehicles. This film, which is thicker than Bodyfence or BodyfenceX, provides a higher level of car body protection against chips caused by stones, insects, washing brushes, etc. Glossy surface finish.

FILM FEATURES

Property	Value	Test method
Total thickness (film + adhesive)	210 µm (8.3 mil) ± 10 %	-
Tensile strength	> 100 N/25 mm	HEXNFX41021
Elongation at break	> 350 %	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	17 N/25 mm	HEXFTM001
180° peel strength, 24 hours after application	22 N/25 mm	HEXFTM001
Initial tack	12 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.

Recommended 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).

DFENCEXTRM can also protect smooth, plain full-wrap films without raised decoration: HX20000, non-textured HX30000 and HX30SCH00. This application is at the customer's judgement; HEXIS recommends pre-cut DFENCEXTRM. The permanent adhesive can damage the underlying wrap when removed. HEXIS accepts no liability for damage to the wrap caused by application or removal of DFENCEXTRM.

The film self-heals at ambient temperature. The disappearance of surface scratches accelerates as the temperature increases.

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.

RECOMMENDATIONS FOR USE

Conformable film for protecting bodywork, lower body panels, painted bumpers and mirror housings from stone chips, insect damage and scratches. Provides protection against vandalism such as key scratches.

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

For detailed application instructions, consult the DFENCEXTRM 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.

When applied over a full-wrap film with a durability of less than 10 years, DFENCEXTRM can extend its resistance to yellowing and cracking by up to 1 year, without exceeding the durability of DFENCEXTRM.

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

The cited standards formed the basis of HEXIS's own measurement methods, available on request. Contact HEXIS for the latest applicable instructions.

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.

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