

CastRap 189-00 BF- Evershine

Technical Data Sheet

PRODUCT DESCRIPTION

CastRap 189-00 BF - Evershine is a 120µm bi-layer film coated with a low tack micro-structured acrylic adhesive.

CONSTRUCTION

Face material :

120µm gloss, black cadmium-free cast PVC/aliphatic PU film.

Adhesive :

Repositionable clear solvent based acrylic adhesive.

Liner :

Highly stable 145 gsm white micro-embossed PE coated paper.

TYPICAL USES

CastRap 189-00 BF - Evershine is designed for vehicle & boat hulls wrapping (above water line) to maintain high gloss appearance for parts subjected to slight abrasion.

The main characteristics of this film are its self-healing property and its easiness of application, thanks an excellent repositionability of its micro-structured adhesive. By self-healing we mean the ability to recover under sunlight or another source of heat (eg heatgun) from mar or slight abrasion, not to major key scratches!

EXPECTED DURABILITY

Expected durability of the unprocessed product is up to:

	Zone 1	Zone 2	Zone 3
Vertical exposure	5 years	3.5 years	2.5 years
Horizontal exposure	2.5 years	1.75 years	6 months

This information is based on successful real life experience and artificial aging according to ISO 4892-2.

Boat application : above data reduced by 30%

Zone 1: North, West, Central & Eastern Europe, North America (excl. : USA desert's - zone 3)

Zone 2: South Europe, Central & South America, Asia Pacific, Australian South coastal area (from Perth to Brisbane), New Zealand

Zone 3: Greater Middle East, Africa, Australian Desert areas & North of Perth-Brisbane coastal area, USA (Arizona, California, Florida, Nevada, New Mexico, Texas, Utah), Mexico

SHELF LIFE

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

PHYSICAL PROPERTIES (Typical values)

Thickness (mm) (Film + adhesive) ISO 543
0.150

Face Material Data, 23°C DIN ISO 527-3

Tensile strength : > 40 N/15mm

Elongation at break : > 200%

Adhesive Data, 23°C FTM 1

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

- 20 min. residence: 18

- 24 hour residence: 20

- 1 week residence: 22

Dimensional stability FTM 14

Shrinkage (48 hours at 70°C) : < 0.3mm

Temperature ranges :

Application : +15°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 detergents, acids, oils and diluted (min.50%) alcohols. Resistant to short contact periods with gasoline. Not recommended for contact with aromatic solvents, non-diluted alcohols, ketones.

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 with isopropyl alcohol.

Application

on flat or slightly curved surfaces

Apply CastRap 189-00 BF - Evershine with the dry application method.

on convex areas

Work as much as possible at room temperature to conform the product over convex areas. Gently heat the film around 30-40°C only if needed.

on corrugated or concave areas

Gently heat the film around 40°C to apply it in concave areas and stabilize it well at 90°C.

on rivets

Apply the film over the rivet with high pressure and heat it with a heat gun (air temperature ~200°C). Stabilise well at 90°C.

Application on boat

We recommend edge sealing.

Removability

Once heated, CastRap 189-00 BF - Evershine is very easy to remove, leaving almost no adhesive residue on car body. Some adhesive residue may be expected on gel coat after film removal. Eventual adhesive residues can be removed with isopropyl alcohol.

Removability is warranted only on original manufacturer coating.

Important remarks

- Do not use a hard plastic squeegee to apply the product as it could leave some plastic marks that are irreversible. Work instead with either a felt squeegee or a plastic one covered with a velvet stripe. Wet the velvet for an even better slide-ability of the squeegee over the CastRap 189 BF-Evershine surface.

- Compatibility with paints and lacquers should be tested by the end-user, prior to use.

- CastRap Evershine should not be considered as a complete shield against all scratches but as a protection film against day to day abrasion (eg carwash systems).



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.

Because of the variety of uses of MACTac products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.