

PROTECTIVE FILM NOVACEL 4805

I - DEFINITION

Self-adhesive easy peel film for temporary surface protection.

II - CHARACTERISTICS

- Film type : Low density polyethylene
- Colour : Blue transparent
- Type of adhesive : Acrylic

	Method	Metric Units	US Units
Average thickness	AFERA 5006	50 μ m	2 mils
Breaking strength :			
Machine direction	AFERA 5004	> 1.0 daN/cm	> 5.7 lbs/in
Transverse direction		> 0.7 daN/cm	> 4.0 lbs/in
Elongation at break :			
Machine direction	AFERA 5004	> 200 %	> 200 %
Transverse direction		> 500 %	> 500 %
Adhesion to stainless steel	AFERA 4001	65 cN/cm	5.9 oz/in
Unwind force	AFERA 4008	< 5 cN/cm	< 0.5 oz/in

N.B. : - AFERA : Association of European Self-Adhesive Tape Manufacturers.

III - PRINCIPAL USES

NOVACEL product reference 4805 is used for the protection of surface finishes from dirt, scratches and tool marks during :

- Handling
- Transport and Storage
- Forming
- Assembly...

NOVACEL 4805 exhibits the special "EASY-PEEL" characteristics for the rapid removal of the film from high gloss to semi-matt surfaces, such as glossy painted metals. The removal force is inversely proportional to the speed of removal.

NOVACEL 4805 can be used to protect pre-lacquered or painted metals, such as :

- Acrylic and siliconed acrylic
- Polyester and siliconed polyester
- Platisol
- PVDF (Metal painted and conditioned for at least 4 days)
- Metals with PVC FILM
- Anodized mill-finish aluminium
- Non anodized, mill-finish aluminium
- Non anodized, high gloss aluminium

With a gloss level above 30 (GARDNER GLOSS-METER, angle of 60°).

NOTE :
1. For polyurethane paints or varnishes, please consult NOVACEL
2. It is not advisable to use 4805 on stainless steel and on copper and brass.

IV - PRINTABILITY

The film can be printed in one or two colours and the minimum quantity per order is 50.000 SQM (+/- 10 %, as normal practice for printed products).

The printed message can be used for :

- Corporate identity support
- Displaying company or product "logos"
- Advertising
- Instructions and specifications
- Methods of use of the protected surface



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V - PRESENTATION

NOVACEL can supply rolls in different lengths and in widths up to 2600 mm / 102 in.

For example :

- Exterior diameter of the 1000 linear meter rolls : approx. 271 mm / 11 in.
- Exterior diameter of the 2000 linear meter rolls : approx. 371 mm / 15 in.

Interior diameter of core : 76 mm / 3 inches

VI - LAMINATION

NOVACEL 4805 must be applied to a clean and dry surface with the aid of a laminating machine. The film must be applied without bubbles and without excessive tension (elongation of the film during lamination should be less than 1 %), at the temperature between 10°C / 50°F and 50°C / 122°F.

VII - STORAGE AND APPLICATION

- The NOVACEL 4805 film must be stored in its original packaging, in clean, **dry** conditions.
- The film should be applied within a 6 month period from the delivery date.
- The film should be removed within 1 year from the date of lamination, or within 2 months if the product has been exposed to outdoor ageing under european weather conditions, while avoiding the presence of stagnant water. Outdoor ageing will depend on local climatic conditions (see NOVACEL).
- The following precautions should be taken when the printed NOVACEL 4805 film is exposed to sunlight :

The printed surface of the 4805 film can have a greater screening effect than the nonprinted surface, which could result in colour or gloss variations.

NOVACEL requests that the client tests to 4805 film, before using the product, to endure that during exposure to sunlight, the protected surface is not subject to such variations.

- Elimination of protective film waste.

Recycling is possible. Dumping or incineration possible under conditions to respect the local or national regulation in force.





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VIII - GENERAL GUARANTEE CONDITIONS

NOVACEL self-adhesive, protective films are designed for temporary surface protection of surfaces against dirt, scratches and tool marks ; they are not designed for protection against corrosion, humidity or chemicals. Their applications are very diverse and the conditions of use can vary from one enterprise to another, and for this reason NOVACEL always ask the Client to test the product and carry a full trial, prior to its use.

The evaluation trial must take into account the type of material on which the product is used, the surface finish, the temperature and processing constraints, and the time and conditions for interior or exterior use.

The principal utilisations mentioned in part III are only indicative and will not engage NOVACEL's responsibility if utilisation test is not done under normal use forecast by the customer.

NOVACEL cannot be responsible for the misuse of the product, nor for the consequences of their usage for non-recommended applications.

The product guarantee is generally limited to the replacement of the defective product and does not cover consequential claims.

This is a computerised form and is signed

electronically



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