



VABER INDUSTRIALE S.P.A.

PRODUZIONE ADESIVI E PRODOTTI CHIMICI INDUSTRIALI

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TECHNICAL DATA SHEET

**N° 4990307E
DEFENDER**

VABER MILLENNIUM

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Compiler: Cecconello

T.D.: Girivetto

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1. DESCRIPTION

VABER MILLENNIUM DEFENDER is a polyethylene self adhesive film, water, moisture and dust resistant, in addition this product has a good cut and tear resistance. This film is composed by a LDPE liner spread with a medium initial tack acrylic adhesive, which makes the film replaceable within a short time.

2. CHEMICAL AND PHYSICAL PROPERTIES

TOTAL THICKNESS	: 200 micron
TENSILE STRENGTH	: 1,8 MPa (18 N/cm ²)
ELONGATION AT BREAK	: 300%
STEEL ADHESION	: 0,21 MPa (2,1 N/cm ²)
TEMPERATURE RESISTANCE	: 80°C

This values are medium data, this is not a technical specification.

3. APPLICATIONS AND USE

VABER MILLENNIUM DEFENDER is suitable for several applications as:

- Inner covering of front and back doors of all types of vehicles (OEM in almost all cars manufactured in the world except some french cars, which are provided with a foamed version of same film, i.e. Vaber Mill. DSB2002)
- Car glass protection against scomposition before substitution of broken or chipped glass.

- Temporary protection of surfaces against scratch, stains; related to its good alkali and acid resistance this product could be used as chemical temporary protection of damageable surfaces (window marble, marble wall protection during floor polishing operations)

Before application, make sure that surfaces are clean, dry and free from oil, rust, dust and grease. Apply the film avoiding air bubbles.

4. PACKAGING

Each roll sizes 60 cm x 10 m. It is separately packed in a transparent nylon bag and supplied in a single carton box.

5. STORAGE AND SHELF LIFE

Millennium DEFENDER stored in its original package, in a well-ventilated place, under dry conditions, at temperature between +18° and +25°C, has a shelf life of 12 months from manufacturing date.

The product is recyclable and non-toxic when leaving the production plant and it is in accordance with the CE Directive/90/128 23rd Feb. 1990, published in the CE Official Journal 21/03/1990 referring to Plastic Materials.

6. NOTICE

The above information and our technical indications (both verbal and written or resulting from testing), in particular those that regard the applications and uses of our products, correspond to our best knowledge and experience; however, they do not constitute our warranty relative to final results or our responsibility deriving from any juridical relationship whatsoever.

In fact, considering the multiplicity of materials, supports, handling and storage conditions, as well as the conditions of production and utilization, the user, in function of his specific circumstances of use, must always preventively verify all the information and instructions reported above.

No assertion contained in this publication is to be considered authorization or suggestion to violate any industrial property rights of third parties.

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