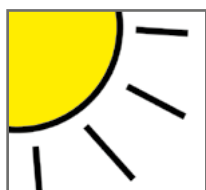


FOLEX GO-HC

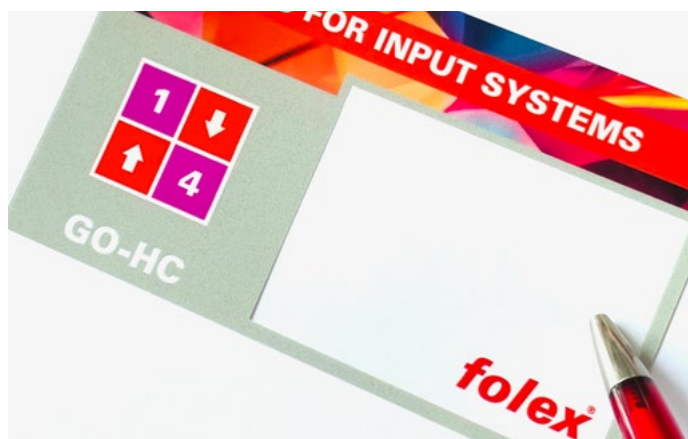
Scratch-resistant and highly transparent for the trends of today and tomorrow



Scratch resistance is an essential property for extending the durability of a product.

GO-HC is a clear scratch-resistant polyester film with excellent properties.

The film can especially be used for input systems, industrial signs and labels and other demanding surfaces. The fact that important information can be printed on the reverse side of the film and the front is scratch-resistant not only raises the reliability of the end product but also increases its service life. Warning/hazard notices, e.g. on signs, remain legible longer with this type of printing than if the sign is printed on the front. This great scratch protection is achieved by means of front coating with a specially developed hard-coat.



Printed GO-HC

In addition to outstanding functionality, optical quality, mechanical resistance and high UV stability, the film has very good flatness. Plus, the product's high transparency enhances the brilliant appearance of printing inks.

Thanks to its high chemical resistance, our scratch-resistant polyester film is a real alternative to window printing. Due to the homogeneously closed surface, the product is also very easy to clean and disinfect. It is thus a popular item for applications in the medical field.

In addition to all these interesting properties, the GO-HC is made with a UL-certified base film.

ADVANTAGES OF THE FOLEX GRAPHIC OVERLAY FILM GO-HC

- High transparency
- Scratch resistance (2-3H) pencil hardness
- High UV stability
- Good abrasion resistance
- Very good flatness
- High chemical and mechanical resistance
- Good mechanical processing properties (embossing, die-cutting, laser cutting etc.)
- Good printability with texture lacquers, screen printing inks and in digital printing with many printing systems
- Easy to clean
- Transparent bonding possible
- UL-certified base film

POSSIBLE APPLICATIONS

- Graphic overlay film for membrane switches
- Touch screens
- Industrial signs and other graphic displays
- Panels, labels, name badges
- Protective film for demanding surfaces

DELIVERY FORM

- Available in sheets and on rolls
- Film thicknesses of 0.13 mm and 0.18 mm
- Supplied with self-adhesive protective film
- Maximum roll width: 1220 mm

THE ADVANTAGES OF FOLEX GO-HC IN DETAIL

1. SCRATCH RESISTANCE

One essential characteristic of GO-HC is its scratch resistance. The hardness of this product is 2-3H. The product also has good abrasion resistance.

2. PRINTABILITY

The rear side of the film has a clear coating for ink adhesion to ensure permanent printing with conventional and UV curing screen printing inks. Excellent results with many UV inkjet digital printing systems.

3. SUITABILITY FOR TEXTURED PRINTING

The scratch-resistant side of the film can be textured, excellent for enhancing the aesthetic appearance of your product design. The lacquers are cured with UV light. We have obtained very good results in tests of various lacquers (see separate "List of Recommended Lacquers").

4. CHEMICAL RESISTANCE

We obtained outstanding results in tests exposing GO-HC to chemicals and foods. Tested under conditions, reference DIN 42115 revealed no noticeable changes to the surface, i.e. no haze, layer separation or similar (see separate "List of chemical resistance").

5. PROCESSING TOLERANCE

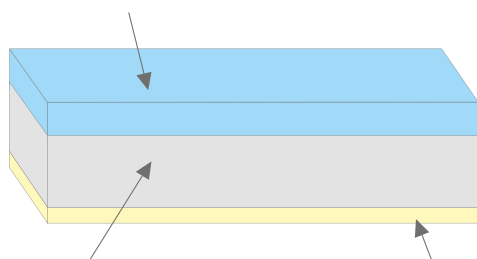
Die-cutting, embossing, laser cutting, gluing is possible.

6. INDOOR/OUTDOOR USE

Can be used indoors and outdoors.

Interested? We will be pleased to send you material samples. Please do not hesitate to contact us, as we will be happy to assist you. See contact details below.

Scratch-resistant coating



Highly transparent PET film Pre-treatment for screen printing

Figure: Structure of Folex GO-HC

Product liability clause

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. These shall be beyond our control, and be subject to your exclusive responsibility. The sale of our products shall be subject to our current "General Terms and Conditions".

July 2024

Folex Coating GmbH
Unnauer Weg 6c
50767 Cologne | Germany
phone +49 221 97 94 79 0
info@folex.de
www.folex.de

Folex AG
Bahnhofstrasse 92
6423 Seewen | Switzerland
phone +41 41 819 39 39
int.sales@folex.ch
www.folex.com

