

Type 6100 Foil

1. Manufacturer

All labelling products are according to ISO 9001 and ISO 14001 and comply with the highest quality standards. Selected parameters such as weather resistance, adhesive strength and chemical resistance are audited in our in-house laboratory and checked periodically.

2. Product specifications

Material class	Polyester
Equipment	Self-adhesive, surface protection
Surface protection (optional)	Matt or glossy, surface protection extends product lifespan. The significant increase of lifespan can improve the ecological life cycle assessment by superceding replacement or reducing its frequency
Temperature resistance	-40 °C to +150 °C
Outdoor use durability *	2 years
Indoor use durability	Almost limitless
Seawater resistance according to BS5609	✓

*Printed sign with vertical outdoor exposure and Central European normal climate

2.1 Durability for outdoor use

Overall appearance	Assessment after 2 years of exposure Surface slightly matter, sign flat and even
UV stability colour	Minimal color fading, 100% readability
Overall evaluation	Overall combination lasts for at least 2 years of outdoor use

2.2 Technical data

Thickness	80 - 100 µm
Adhesive	Acrylate adhesive
Adhesive Strength FTM1 Stainless Steel after 24H	18 N / 25 mm
Adhesion Temperature	>+10°C
Appropriate substrates (among others)	Metal, plastic, glass, powder coating...

2.3 Wipe resistance

Isopropyl	Wipe test based on DIN 30643 ✓
n-Heptane	✓
Artificial Sweat Solution	✓
Grease	✓

2.4 Chemical resistance

Distilled water at 65°C	Immersion test based on DIN 30646 ✓
Detergent Solution 10%	✓
Cold cleaner	✓
Transformer oil	✓
White Spirit 145/200	✓
Anti-freeze Solution	✓
Diesel	✓

Deutschland

Kroschke
sign-international
GmbH

Kroschkestraße 1
D-38112 Braunschweig

www.kroschke.com

vertrieb@kroschke.com
Tel. +49 531 318-318 Fax -151

Österreich

Kroschke
Ges.m.b.H.
Arbeitssicherheit
und Kennzeichnung

Inkustraße 1 - 7
A-3400 Klosterneuburg

www.kroschke.at

office@kroschke.at
Tel. +43 2243 3 457-457 Fax -444

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3. Use and application

Our adhesive labels are specifically designed for use in harsh industrial environments. They have a nearly unlimited period of application for use indoors and at least two years of durability for use outdoors. They offer a quick and practical possibility of a permanently adhesive individual label and are suited for adhesion on almost all substrates.

Additionally they have a good weather resistance and resistance against many chemicals.

Possible areas of application:

- Any kind of labelling
- Areas of application which require a long durability
- Labelling under heavy chemical strain
- Labelling under exposure to high temperatures
- Pipelines, machine parts, inventory labels...

We recommend gluing the material only to flat surfaces. It is suitable for curved surfaces (convex / concave) to a limited extent.

4. Processing guidelines

The signs are appropriate for adhesion on most smooth substrates. Please be sure that the substrate surface is free of grease (oil, wax, silicon) and dust. Clean as necessary beforehand with spirit or window cleaner. To adhere the sign, make sure there are no bubbles and press down firmly.

Avoid processing at temperatures under +10 °C, since this can adversely affect the adhesive strength.

5. Cleaning of signs

To clean the signs we recommend using a damp towel soaked in a water solution of mild, alkaline cleaning agent (ex. dishwashing liquid).

6. Storage instructions

Storage life of unopened original packaging 23 °C / 50 % relative humidity and out of sunlight amounts to 2 years. Noncompliance with storage instructions reduces product lifespan.

Important note: All products are subject to comprehensive quality control during the entire manufacturing process. We deliver all products in commercial quality and free from manufacturing defects. Information published on the products expressly does not constitute a guarantee of quality in the sense of § 443 BGB (German Civil Code). Due to the wide range of possible uses and the ongoing development of new applications, it is the responsibility of the user to carefully check the suitability and performance of the products for the respective purpose and before use. The buyer bears all risks arising from the use of the product. This applies in particular to obviously improper use. We reserve the right to make changes.

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sign-international
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