

TECHNISCHE INFORMATION
INFORMATION TECHNIQUE

Siegwerk Switzerland AG
CH – 3282 BARGEN
SWITZERLAND

TECHNICAL INFORMATION
INFORMAZIONE TECNICA

Tel. +41 32 391 72 00
Fax +41 32 392 51 07
www.siegwerk.com



Issue: March 2009
Replaces issue: 07/07

Product name: **BARGOFLEX UV Laminating adhesive 85-601820-5.** (39-0-0343)

Product description: Chlorine free, **permanently sticking** radiation curing adhesive varnish. Suitable for laminating or gluing printed paper or various plastic self-adhesive label materials e.g. to laminating films. Particularly suitable for overlamination of inks of series **UV-Sicura Typo 32-8** and **41-2**.

Properties:

- permanently sticking: the UV-curing operation serves to obtain the stickiness resp. optimum bond values, i.e. without lamination the varnish remains sticky after the UV-curing
- medium viscosity
- low in odor when compared to usual laminating adhesives

Printing process: Flexo-varnishing or letterpress group, which is equipped with a lamination unit and subsequent UV-drier.

Printing substrates/
Laminating films:

Good laminates with good bond values, which are resistant to water, cosmetics, lotions, shampoos, alcohol, cleaning agents and solvents are normally obtained, if the adhesive is properly applied, with the following combinations:

- Coated **papers**, solid area or partially printed with inks of serie 32-8, to **PVC** or to **oriented polypropylene, Corona-treated** in-line or by the manufacturer with a surface tension of min. 42 and max. 44 mN/m
- **PVC**, solid area or partially printed with inks of series 41-2, to **PVC**
- In-line **Corona-treated polyethylenes** with min. 42 to 45 mN/m, solid area or partially printed with inks of series 41-2, to **oriented polypropylenes, Corona-treated** in-line or by the manufacturer, with min. 42 to max. 44 mN/m
- **Lacquered/primered polyethylenes or polypropylenes**, solid area or partially printed with inks of series 41-2, to **oriented polypropylenes, Corona-treated** in-line or by the manufacturer, with min. 42 to max. 44 mN/m

To observe:

- *Before the print job is started, **new materials** must be checked for compatibility with the planned laminating adhesive/inks combination, even if their suitability on a comparable type of the same substrate group is proved.*
- *The **test laminates** are to be examined **after die-cutting** (in particular at the edges) for bond strength, and, if necessary, for resistance water and the packaging contents and other application-specific requirements. Due to possible different material shrinkage and other alterations, **these examinations must be repeated after not earlier than one day.***

- *Before starting a new print job on a known material, but with **novel ink combinations**, the above-mentioned examinations must be done as well.*
- *In case of doubt, please contact in time our technical department.*

Remarks:

To observe:

- *This laminating adhesive **must not be thinned**, or the film weight and thus the bond values will fall drastically.*
- *The film weight of the laminating adhesive must be at least 6 g/m². Lower film thicknesses will lead to bad bond values.*

Shelf life:

The inks and varnishes of this series have under normal conditions a shelf life of **at least 9 month**. Within this period the products are usable in conformity with the indications of this data sheet.

Normal conditions mean:

- storage in tightly closed, not yet tapped containers;
- temperatures not exceeding 20°C for weeks or 25° C for days.

The shelf life can be extended by cool storage below 15°C.

Because of the diversity of the local circumstances and determinant factors this Technical Information can only be of advisory character.

Our data reflect the information received by you and are based on the characteristics established in the laboratory and on practical experience.

This information is reliable, if professional use is made of them and if they are adapted to the local conditions. They do not dispense the user from taking his own responsibilities. Your own tests with the original materials under the respective conditions are indispensable.

We disclaim any liability for applications that are not covered by this communication.