

Technical Data Sheet

A/AB Series Pad & Screen-Printing Ink

Characteristics

Type A/AB is a 2-component gloss ink that is mixed with 700001 Hardener in a ratio of **4:1**

Application

- Polyethylene EP and PP Polypropylene (pretreated)
- ALUCOBOND, ALUCOLUX (preliminary cleaning with alcohol is necessary)
- Aluminum
- Powder Coatings
- Other materials after preliminary tests

Properties

Type A/AB inks offer excellent adhesion on the aforementioned substrates and exhibit high brilliance. When reticulated with 700001 Hardener, the ink film's resistance is significantly enhanced.

Please note that the mechanical and chemical resistances are obtained 3-4 days after impression. This time is necessary for the complete hardening of the ink film.

At room temperature the pot life of the ink mixed in a ration of 4:1 is approximately 10 hours. Air moisture and high temperature shorten/reduce the pot life.

When overprinting EP or PP bottles scorching is strictly prohibited.

For external applications ALUCOBON, ALUCOLUX and aluminum must be varnished.

Drying

The 2 component Type A/AB inks dry by chemical reticulation of the ink film.

Colors

Standard Colors: 1 – 29 in our standard color chart
 Bronze Colors: 30 – 34 in our standard color chart
 Custom Colors: Available upon request

Recommended Thinner / Cleaning Agent / Hardener

PRISMflex Part Number	Description	Available Size
700001	Additive – Hardener	1 Liter
700030	Additive – Slow Thinner	1 Gallon
700035	Additive – Medium Slow Thinner	1 Gallon
700081	Additive – Jet Thinner	1 Gallon

All of our thinners are mixable and can be used as a cleaner as well.



Safety Data Sheets

Read the safety data sheet prior to processing.

Safety data sheets comply with Regulations (EC) No. 1907/2006 (REACH), Appendix II.

Safety data sheets can be requested by emailing orders@prismflex.com.

Classification and Labeling

Hazard classification and labeling comply with Regulation (EC) No. 1272/2008 (CLP/GHS)

Conformity

PRISMflex does not use any of the substances of mixtures for the production of printing inks, which are banned according to the EUPIA (European Association of the Printing Inks Industry) exclusion policy. Screen printing inks range Type A/AB color shades, standard, highly opaque standard colors (HD), process colors, silver, fluorescent colors and transparent colors comply with the requirements of toy standard, EN 71-3:2019 Safety of toys – Migration of certain elements (category III: scraped off material). Further compliance confirmations are available upon request. The safety data sheets must be read prior to processing.

Storage

The shelf-life of A/AB series inks is 2 years in original, unopened containers.

The storage of the 700001 Hardener should not exceed 1 year.

Available Can Sizes

- 100 grams
- 1 Kilo
- 1 Liter
- 1 Gallon

The printers, converters and the packer/filler have the legal responsibility to ensure that the finished article fits for the intended purposes and that the inks and coating components do not migrate into the consumer good at levels that exceed legal and industry requirements.

The statements in our product and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the job. All former product data sheets are no longer valid.

