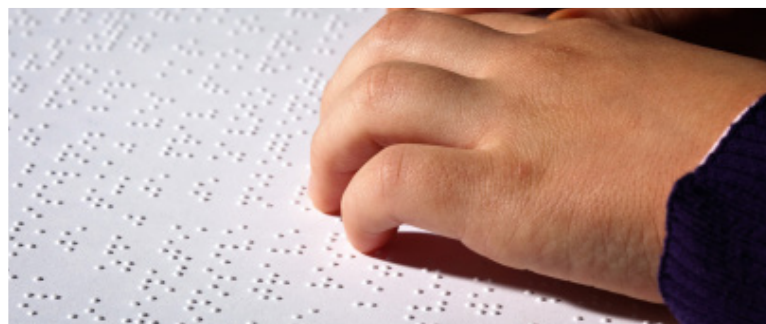




Jowat® PermaCoat®

689.89



UV-curing structural Braille varnish

**Application of Braille letters without embossing,
single unit production possible**

Good readability of text below the Braille dots

The requirements which the consumable material “Braille varnish” has to meet are very high. Several technical demands must be fulfilled – from excellent flow properties in nozzle applicators up to optimum drying – especially at high line speeds. A high technological competence and decades of experience in development, manufacture and application of UV-curing systems enabled Jowat SE to meet these very challenging demands on the product performance.

The varnish also needs to comply with the requirements of the standard that applies to lettering for the blind: Minimum diameter of the dots (coating may not run), minimum dot height (build-up of defined layer thickness), adequate adhesion to the substrate (good adhesion properties), clearly defined single dots (no splashing of the varnish) – to name just a few.

With **Jowat® PermaCoat® 689.89**, Jowat SE has successfully developed a product meets all these requirements. In addition, it also fulfils the expectations on high production speeds, without any change in quality.

The possibilities of utilisation are limitless: Whether in mass production, for instance in pharmaceutical packaging where the individual specifications and lots change frequently, or in the marking of personalised medication packages with additional caution information, on the directions for use, on labels, or as advertising effect, for instance on visiting cards. This is a field where marketing departments can now implement completely new ideas, and profit from a newly gained flexibility.

The visual effect of the product is another major advantage of **Jowat® PermaCoat® 689.89**. The conventional expectation of a varnish is a glossy appearance. However, Jowat SE broke new ground by developing a matt, transparent Braille varnish - the writing or pictures underneath remain perfectly visible and readable. The question, after all, is: Who should be able to see the varnish? Ideally, no one. Blind people do not require visual effects like for instance gloss. People with good eyesight, however, often recognise glossy dots as negative, especially when they are positioned over small letters. This is another challenge successfully mastered by the formulators of the new **Jowat® PermaCoat®** Braille varnish.



Baumer hhs Druckkopf Xdot

Jowat® PermaCoat® 689.89

UV-curing varnish especially for LED-UV drying

Cure		UV-C / UV-A / LED-UV (395 nm)
Processing temperatur	[°C]	20 - 50
Viscosity at Processing temperatur	[mPas]	approx. 4.000 (Brookfield)
Appearance		mat, translucent

The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide range of different applications, substrates, and processing methods beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it! Customer trials under everyday conditions, testing for suitability at normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications as well as further information, please refer to the latest technical data sheets.