PU Dispersion

150.50/51

Application:

Laminating adhesive for heat-sealing procedures, wide area of application. For plastic foils of PVC, ABS, PET and polyolefin materials. Outstanding processing with automatic spray units.

Characteristics/ Directions for Use:

PU dispersion with built-in crosslinking mechanism, excellent film formation, high initial strength and good water and heat resistance. Heat resistance values are highest if the lamination is carried out within 8 hours after adhesive application. Higher activation temperatures and longer pressing times facilitate better bonding results. Optimum processing parameters have to be determined in customer tests.

Minimum reactivation temperature in the bondline [°C]: (depending on pressure and pressing time)	≥60 °C

We recommend that all materials coming into contact with the glue are made of high-quality stainless steel (German standard V2A according to DIN EN 10027 – W-No. 1.4301 or better) or of inert plastics, e.g. Teflon, PP, polyamide. Avoid contact with other metals like zinc, brass, copper or aluminium. For more information, contact the equipment manufacturer or our technical service.

This adhesive can be processed in one-component form (without crosslinking agent). This will give the adhesive processor various advantages:
- no mixing with crosslinking agent
- no contact of a crosslinking agent with the skin
- the homogenous dispersion achieves a good uniform bonding result
- opened containers may continue to be used

In case of spray application: do not inhale the atomised material.
Observe the recommendations of the Safety Data Sheet.

Min. temp. for materials, glue and ambient air [°C]:	15 (not identical with minimum film-forming temperature)
Appearance:	final digit 0 = white opaque final digit 1 = white

Specification:

Viscosity at 20 °C [mPas]: (Brookfield, RV, spindle 3, 20 rpm)	3,000 ± 500
Density at 20 °C [g/cm³]: (Jowat test method)	1.05 ± 0.02
Solids content, 2 h at 90 °C [%]: (Jowat test method)	40 ± 2
pH value at 20 °C: (Jowat test method)	8.0 ± 1.0

The specified values were determined on the day of production.

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Cleaning: Machines and equipment may be cleaned after use with warm or cold water, using Jowat® Cleaner Concentrate 192.40.

Storage: In properly closed original containers, cool and dry (15 – 25 °C). Best-before date, please refer to label on the packaging unit. During transport, the temperatures may be lower, from 6 °C to 14 °C. The material may be exposed to these temperatures for a max. duration of 14 days. If in doubt, the temperature needs to be checked in goods entry. Cold material may not be processed, but must be previously warmed up slowly by storage at 15 – 25 °C (exposure over 2 to 3 days, depending on the volume of the packaging unit).

Packaging: Types of packaging and units upon request.

Remarks: **For further information concerning safety, handling, transport and disposal, please refer to the Safety Data Sheet.**
Our information on this data sheet is based on test results from our laboratories as well as on experience gained in the field by our customers. It can, however, not cover all parameters for each specific application and is therefore not binding for us. The information given in this leaflet represents neither a performance guarantee nor a guarantee of properties, nature, condition, state or quality. No liability may be derived from these indications nor from the recommendations made by our free technical advisory service.

Jowat Information

Gluing as one of the most efficient methods of bonding is constantly gaining importance and expanding into new areas of application. At the same time, the number of substrates to be bonded is also growing at an unprecedented rate. New methods and equipment to process adhesives are developed.

The in-house R & D departments of Jowat are responding with intensive efforts to keep pace with these constant changes. A highly qualified team of chemists and engineers is using the latest techniques and brightest ideas to provide the utmost in advice our customers and to make sure that they get the adhesive which meets their needs.

Our information is based on test results from our laboratories as well as on experience gained in the field by our customers. This advice, however, cannot cover all eventualities for each specific application and as such is not binding for us. Please, contact our technical service department in each case to find out what the actual technical state of development for the respective product is, and request the latest data sheet. Any use of our product without this precautionary measure would be your sole responsibility.

The processing company itself must therefore test the adhesives manufactured by us for suitability in each individual case. This applies to the first use of a sample as well as to modifications during an ongoing production.

We are therefore requesting all our new customers to test our adhesives for suitability on original parts at conditions equal to normal processing conditions. The bond has then to be subjected to the actual stress which it would undergo when in use and has to be assessed. This test is absolutely necessary.

Customers who undertake modifications during a running production are requested to pass this information on to us. Please notify us when machines are set to new parameters as well as when the substrates to be bonded are changed. Only then will Jowat be able to provide our most up-to-date information to the processor using our adhesives.

The information given in this leaflet is based on practical experience and on results of tests in our laboratory, and does in no way constitute any guarantee of properties. No liability may be derived from these indications nor from the recommendations made by our technical advisory service.