

PU Dispersion

Application: Especially designed for bonding vinyl films to particle board or MDF. This adhesive can be processed in one-component form (without adding crosslinking agent).

Characteristics/ Directions for use: PU dispersion with built-in crosslinking mechanism, excellent film formation, high initial strength and good water and heat resistance after crosslinking. Heat resistance values are higher if the lamination is carried out within 8 hours after adhesive application.

Min. temp. (materials, glue and room air): 15°C (58°F)
Glue Application: one sided
Application amount : 2-5 mil wet=5-12 g/sqft (depending on board quality)
Min. activation temp. in the bondline: 55°C (131°F)

Applied by spraying (cup or pressure pot). Pot and gun components must be stainless steel or plastic. Diameter of spray nozzle should be 1.0-1.5 mm (.040-.060 inches). The edges should be sprayed a second time after the first coat has dried. Glue film must be completely dry before pressing. Complete curing at room temperature takes about 7 days.

Depending on the adhesive, type of foil, foil thickness, design and shape of the MDF part and test method used, it is possible to achieve heat resistance values between 80 and 100°C (176 to 212°F).

Tested according to Jowat test methods. Customer trials are recommended.

Technical Data: Viscosity [mPas]: approx. 3,000 (Brookfield)
Density [g/cm³]: approx. 1.05 (8.7 lbs./gal.)
Solids [%]: approx. 41
pH value: approx. 8
Appearance: 90 - opaque with UV indicator; 91 - white; 95 - blue

Cleaning: Fresh glue may be removed with cold water. Dried glue must be removed mechanically.

Storage: May be stored in properly closed original containers, cool and dry (15-25°C (59-77°F)). Best before date, please refer to label on the packaging unit.

Packaging: In plastic containers of 44 lbs. net or in 55 gallon metal drums with PE lining. Special packaging upon request.

Remarks: For further information concerning 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.

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JOWAT Corporation Information

Gluing, as one of the most efficient methods of bonding, is constantly 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 constantly being improved and developed.

The in-house R&D department of JOWAT Corporation ("JOWAT") is responding with intensive efforts to keep pace with these constant changes. A highly trained and qualified team of chemists and engineers are using the latest techniques and the brightest ideas to make sure that our adhesives meet the needs of our customers for new and innovative applications.

We have assimilated information based on test results from our laboratories as well as on experience gained in the field by working with our customers. This information is available by contacting our technical service department. Customers who have obtained information and thereafter undertake modifications during a running production are invited to provide this information to us to assist us in maintaining our field information and obtain any updated information we may have. However, any technical information we provide is provided for informational and assistance purposes only, and should not be relied upon or used to replace field testing by the user of the adhesive in the actual application for which the adhesive is to be used. Our laboratory testing and field information obtained cannot simulate all eventualities that may occur in each specific application, and for that reason we cannot and do not insure performance or results in specific applications.

Any user of adhesives manufactured by JOWAT must test the adhesive(s) for suitability in each individual application, performing such tests in connection with the first use of a sample as well as all subsequent modifications during any ongoing production.

In addition to such other tests the users of our adhesives deem appropriate to insure suitable bonding, all users of adhesives manufactured by JOWAT should test the adhesives for suitability on original parts equal to normal processing conditions. The adhesive bond should then also be tested and assessed by subjecting it to the actual stress and conditions it will undergo in its intended use. **ALL OF THESE TESTS ARE ABSOLUTELY NECESSARY AND MUST BE PERFORMED.**

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