



EASYBOND SPECIFIC ADHESIVE LIMITED

www.polyurethaneglue-china.com

Address: XINGANG INDUSTRIAL AREA, JINGJIANG CITY, JIANGSU PROVINCE, CHINA

Email: ann@polyurethaneglue-china.com Contact: Ann Chiu

Tel: 0086-13422583570 Fax: 0086-0523-84256666

MPU-20 Single-component type Polyurethane Glue

MPU-20 type polyurethane glue, a single-component glue that developed by our corporation, is superior in performance and operation. By adopting solidifying way of micro moisture in air and cohered surface, the glue line is no-dissolving and no-melting. Therefore it has been extensively used in metal plates such as color steel plates, galvanized plates and aluminium plates as well as inorganic boards such as paper gypsum planks, calcium silicate boards, glass magnesium boards, medium density board and ternary plates. In addition, it can also applied to fireproof material (rockwool, glass fiber, perlite, aluminosilicate fiber felt), heat insulating material (EPS FWB foams, XPS, rigid PU foams), sound-proof material (paper honeycomb, aluminum honeycomb) and finishing material (melamine board). **The glue was awarded China National New Products Certificate in 1993.**

1. Technology Index

Appearance: dark brown or brown sticky liquid

Working Time: 15-30minutes

Curing Time: 5-8 hours (specific time should be provided as users require)

Shelf Time: 12 months

Density: $1.15 \pm 0.05 \text{g/cm}^3$

Viscosity: 8~20 pa.s (25°C)

Solubility: soluble to acetone and ethyl acetic acid

Dose: 120~160g/m²

Non-volatile ratio: $\geq 94\%$

TFT: $\leq 2\text{h}$

Cohesive Intensity:

- (1) Metal plate to metal plate $\geq 15\text{MPa}$ (GB6329)
- (2) Metal plate to heat insulating material

Non-metal destruction during delamination operation (GB6329)

3. Usage Methods

(1) Remove oil, dust on the surfaces of being cohered materials. It is not recommended to apply the glue on particularly smooth surfaces or special rough surfaces, which have negative impact on cohesive intensity.

(2) Homogeneously spread the glue on cohered surface with sawtooth scrapers. Dose of the applied glue is about 150g per square meter according to different surfaces (less for smooth surfaces and more for rough surfaces).

(3) During solidifying process, glue line should be sprayed a little water mist.

(4) After spreading glue, cover adhering material by raising pressure for solidification. Make sure that materials should be laminated before touch dry. Otherwise, its cohesive strength will be decreased.

(5) By using pressing machine or heavy object, the pressure put on adhering materials should be between 0.5kg~1kg/cm². Only when Solidification process is completed should machine or object be moved.

(6) Pressure time varies with temperature and humidity of the day, which is from 5 to 12 hours (24 hours for the highest cohesive strength).

(7) Wash tool with ethyl acetate solvent.

4. Caution

Please seal barrel of remaining glue to prevent moisture. For long-term storage, fill nitrogen gas. When users apply the glue to other new materials, be sure to do test at first.

Above technical tips are only for suggestions. Users should work out their techniques according to tests. Our corporation will not undertake the due obligations for any possible quality accidents occurred during the operation process formulated by users.

5. Storage and Package

- (1) Storage: One year when stored in normal warehouse
- (2) Package: 25kg/per plastic drum
200kg/per iron drum

If any technology questions, please call us +0086 13422583570 (Ms. Ann) or email to easybondglue@gmail.com / info@polyurethaneglue-china.com / www.polyurethaneglue-china.com