

Product Information

WOOD ADHESIVE PU

WATER RESISTANT

AREA OF USAGE

The water resistant WOOD ADHESIVE PU is primarily intended for gluing wood to wood, wood to metals, various plastics and other materials. WOOD ADHESIVE PU gives a joint which is light in colour and normally hardly visible. The joint is water repellent and water resistant. WOOD ADHESIVE PU may not be used for supporting constructions.

PROPERTIES

WOOD ADHESIVE PU is a single component adhesive free from solvents which hardens under the influence of the air humidity and the humidity in or on the materials being glued together. During the hardening process is carbon dioxide released which may result in foaming under unfavourable pressing conditions. Pressing with a high pressure is therefore essential.

DIRECTIONS

- The surfaces must be clean and free from oil and fats
- Wood should be recently worked on
- Plastic and metal must be polished and degreased
- The application may be done directly from the bottle or with a toothed spatula or roller
- To get a reasonable hardening time when gluing dense materials together it is advisable to dampen one of the surfaces using a spray bottle
- The package should be sealed immediately after use since the product very easily absorbs moisture from the air humidity which will influence the storage time
- It is necessary with a high pressing pressure to avoid foaming in the joint
- Tools are cleaned with acetone not from hardened adhesive

TECHNICAL DATA

| | |
|--------------------|---|
| TYPE | Single component, solvent free, moist curing polyurethane Adhesive (MDI based) |
| PAINT | Light yellow |
| DRY CONTENT | 100% |
| DENSITY | Approx 1,100 kg/m ³ |
| VISCOSITY | Approx 5.000 mPa.s. |
| CONSUMPTION | Approx 100-150 gr. Per m ² depending on combination of materials. |
| PRESSURE | High, to avoid foaming |
| PRESS-TIME | The glue hardens by influence of moisture and is therefore Dependent on the humidity in the air and the material. High humidity shortens the curing time and a low one prolongs it. The temperature is also significant for the curing. |

WOOD ADHESIVE PU, page 2

| | |
|---|---|
| | Guide lines for the influence of relative humidity (RH); 6 hrs at +20°C and 35% RH 3 hrs at +20°C and 65% RH 2,5 hrs at +20°C and 85% RH Guide lines for the influence of temperature: 12 hrs at +10°C and 65% RH 3 hrs at +20°C and 65% RH 6 min at +70°C and 65% RH Normally 15-25°C but down to +5°C |
| JOB TEMPERATURE | |
| STORAGE TIME | Approx 12 months in a well sealed container in a dry and cool place |
| HEALTH AND ENVIRONMENTAL MARKING | Hazardous. Keep out of reach for children. Hazardous to eat or inhale. Provide sufficient ventilation. Avoid skin contact. Contains prepolymerized methylene biphenyl diisocyanate (MDI) |
| HANDLING AND CLEANING DIRECTIONS | Contains isocyanate which may cause allergic reactions for some people. Provide sufficient ventilation and use protective Gloves. Tools with glue which has not hardened are cleaned with acetone. Do not use pressurised for blow cleaning. Hardened glue can normally not be dissolved. |
| ESTIMATED LIFETIME | At least 10 years providing that the joint has the correct measurements |
| PREOTECTION | Limits; Difenylmethane-4,4'-diisocyanate/-2,4'-diisocyanate/-2,2'-diisocyanate 26447-40-5 0,05 mgr per m ³ Protective measures; Keep separate from food and tobacco. Store work cloths separatly. Wash hands before breaks and at the end of the work shift. Change dirty cloths immediately. Persons with allergic tendencies, e.g. athopy should not work with the product. Breathing protection; Use protective fresh air mask at spray Application. During short time work a combination filter e.g. A2-P2, is recommended. Eye protection; Use protective glasses. Hand protection; Use protective gloves of PVC or gummi. Skin protection; When there is a risk for skin exposure to the product then protective clothing should be used. |

The technical data we present as well as our directions and recommendations are all based on a large number of tests and our experience. They are intended as guidance for the user to find the most suitable job method and to obtain an optimal result. Since the job conditions for the user are out of our control we can not accept responsibility of any kind for the results obtained when the product is used.