

## Strong Glue SLOW Liquid PUR

### USE

**Strong Glue SLOW Liquid PUR** is a one-component moisture-curing polyurethane-based adhesive designed for the production of sandwich panels. It is used for gluing insulating core material (XPS, EPS, PU, mineral wool, ...) to external sheets (wood, aluminum, steel, gypsum, polyester, plastic materials, ...).

- Manufactured elements with this adhesive meet the D4 waterproof grade requirements.
- Excellent resistance to low and high temperatures.
- Excellent resistance to organic solvents.
- High resistance to hydrolysis

### TECHNICAL SPECIFICATION

Base:	Polyurethane prepolymer
Appearance:	beige liquid
Density at 20 °C:	1,13 g/ml
Viscosity:	3 500 ± 1 500 mPas (at 25 °C) <i>(depending on temperature, quantity and substrate)</i>
Shear strength /Al-Al/:	10 N/mm <sup>2</sup>

### INSTRUCTION FOR USE

Application temperature of working place, adhesive and materials:	15 °C – 25 °C
Optimal material moisture:	12 – 18 %
Minimum material moisture:	9 %
Open time:	20 - 25 min (at 25 °C)
Pressing time:	
20 °C	approx. 1 hour
40 °C	approx. 30 min
60 °C	approx. 10 min

The bonded surface must be dry and free of dust, rust, grease and all substances that reduce the adhesion of the adhesive and may adversely affect the bonding results. For non-absorbent materials and wood moisture <8%, the material should be moistened. In some cases, surface roughening is required. Depending on the bonded materials, there are several means that promote adhesion (consult our sales representative).

Apply the glue evenly to one glued surface. During gluing, both surfaces must be held together. The adhesive cures at room temperature by reaction with moisture, so it is necessary to store the bonded materials under optimal conditions during this time.

The open time depends on the temperature. The structure of the bonded material and the application conditions affect the bonding, therefore it is advisable to perform your own tests. Failure to observe the storage and processing conditions will adversely affect the gluing results.

## CLEANING

Remove fresh glue with a dry cloth. Clean adhesive residues, dirty tools, tools and application machines before they harden. To protect the surfaces of the equipment from PUR glue, we recommend using AGGLU SEPARATOR PUR, or when pressing, protect the presses with Kiilto Trennmittel S.

Depending on the materials to be bonded and the method of application, there are several cleaning agents. We recommend consulting with our sales representative. Hardened adhesive from application devices can only be removed mechanically, or it is necessary to contact our service team.

## STORAGE

Store in original, hermetically closed packaging in dry environment for 6 months from removal from storage at 15 - 30 °C. Do not expose to direct sunlight or heating sources. Any contact of the PUR adhesive with moisture will cause its crosslinking.

## HEALTH AND SAFETY INSTRUCTION

Safety instruction regarding transportation, handling and disposal are described in the corresponding safety data sheet.

*The data in this technical sheet is based on our practical experience and laboratory test results. As they cannot take into account all possible uses, they are not-binding. The data are neither a guarantee of quality nor assurance of properties. No legal claims can be drawn from these data, as well as from our free technical advisory service. Values are continuously updated according to the latest technology. This edition replaces all previous releases and is valid as of that date.*