

AQUAPEKS 1102

Product Information:

AQUAPEKS 1102 is a 1C PUR dispersion for 3D applications. The liquid product becomes transparent after drying.

Application Areas

Thermoforming presses (with and without membrane)

At a Glance

- Free of solvent
- Clean spraying
- High green tack
- Highest heat and moisture resistance
- Sealable at Lowest temperature

Technical Data

pH value (20 °C) ISO 976	7 to 10
Viscosity, Brookfield	
RVT, 3/20/20, mPa.s ISO 2555	2.000 to 3.500
(*) Typical properties, not to be used as specification	

Instructions for Use

AQUAPEKS 1102 is a single-component glue system without additional cross-linker.

The working temperature of the workpiece and glue should be over +18°C to achieve optimal bonding results. Lower working temperature results in higher viscosity of the glue. The glue mix is sprayed with an appropriate spraying gun (nozzle size: 1.4 to 2 mm). As a rule, it is sufficient to apply one coat to the flat surface. Open pore inner and outer radii, however, need to be coated a second time after a brief drying interval. The pre-glued pieces should be sealed within 3 days to achieve optimum bond.

Drying time depending on temperature, humidity and quantity applied	≥30 minutes
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Activation temperature in the glue line at the edges	55°C
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Curing time complete curing after 7 days	24 hours
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All parts which come into contact with the glue must be made either of stainless steel (V2A/V4A) or plastic.

Please note: temperatures above +25°C will shorten the max. storage time of pre-coated fronts

Storage

The glue should be transported and stored in the tightly closed original container at temperatures above + 10 °C and below max. + 30 °C.

Cooling below +10 °C can lead to coagulation.
Storage life up to 6 months.

Packaging

30 kg metal drums or PE pails

Cleaning

Equipment used to apply the glue may be cleaned easily using cold or luke-warm water before the adhesive has dried hard. Hard dried glue remnants have to be removed mechanically.

Safety

Prior to application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Frimpeks for analytical support.

Disclaimer:

The statements listed on this publication are according to our best knowledge. The statements do not exonerate the user from their own responsibility to determine that our products are suitable for their processes. They are intended to inform and advise and are subject to influence from the technical process. This edition of July 30, 2025 replaces all previous editions. With the present edition all older editions are null and void.

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