

Novasil® P 82

The 1-component adhesive based on polyurethane for wood applications

P 82

Characteristics

- ▶ 1-component adhesive based on polyurethane
- ▶ Extremely fast curing
- ▶ Extremely high adhesion strength
- ▶ Non-corrosive
- ▶ Low odour

Fields of application

General Industry:

- ▶ Bonding of wood and wood materials with metals and insulants
- ▶ Constructive wood / wood bonding

Technical properties

Open time at 23 °C/50 % RH [minutes]	~ 4
Processing temperature from/to [°C]	+5 / +35
Viscosity at 23 °C	pasty, stable
Recommended wood humidity [%]	~ 8 - 16
Density at 23 °C according to ISO 1183-1 [g/cm ³]	~ 1,5
Temperature resistance from/to [°C]	- 30 / + 80 ¹
Pressing time at 23 °C [minutes]	15 - 30 ²
Pressure, max. [kg/cm ²]	8
Coverage of adhesive [g/m ²]	250
Shelf life at 23 °C/50 % RH for cartridge/foil bag [months]	9 ³

1) temporarily + 100 °C

2) depending on type of application

3) from production

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

Pretreatment

The adherent surfaces have to be clean, free from dust and grease as well as sustainable.

The adhesive surfaces must be cleaned and any contamination such as release agents, preservatives, grease, oil, dust, water, old adhesives/sealants and other substances impairing adhesion must be removed.

Smooth substrates should be grinded and dusted.

Important information

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e. g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e. g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.

Paints, lacquers, plastics and any other coatings must be compatible to the adhesive/sealant.

Clean the tools, e.g. spatula, with OTTO Cleaner MP before the adhesive has cured.

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SEALING & BONDING

The cured adhesive can only be removed mechanically.

In case of UV-radiation stress discolourations may occur.

Not suitable for the bonding of glass, polyethylene (PE), polypropylene (PP), polyamide (PA), polyfluoroethylene (PTFE), bituminous, waxy or oily substrates or similar.

Not suitable for the bonding of butt joints of gypsum fibre boards.

For bondings outside, influenced by humidity and/or UV-radiation we advise the use of our hybrid adhesives.

Application information

Cures by reaction with humidity. During curing, a small amount of CO₂ is released. This results in an increase of volume of the adhesive.

It is sufficient to apply the adhesive on one side. Spread the adhesive with a spatula full surface.

One of the substrates should be porous respectively permeable to water vapour.

Curing time can be reduced by humidification and increased temperatures.

The moisture necessary for curing can be achieved by slightly spraying with water. The adherent surfaces may be moist, but not wet. The parts should be assembled immediately if possible, at the latest however within the skin-forming time.


Fix the substrates, which are to be bonded, until the adhesive is completely cured.

Due to the many possible influences during and after application, the customer always has to carry out trials first.

Please observe the recommended shelf life which is printed on the packaging.

We recommend to store our products in unopened original packagings dry (< 60 % RH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures / air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

Packaging

	310 ml cartridge
 beige	P82-04-C1038
Pieces per packaging unit	20
Pieces per pallet	1200

Further delivery forms available on request

Due to typographical reasons the colours shown below may differ from the original colours of the products.

Safety precautions

Please observe the material safety data sheet.

Only for commercial users.

Disposal

Information about disposal: Please refer to the material safety data sheet.

Warranty information

The above information and our technical application advice, whether verbal, in writing or by means of tests, are provided to the best of our knowledge, but are non-binding, including with regard to any third-party property rights. The information in this publication does not exempt the processor from carrying out their own tests on our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products and the products manufactured on the basis of our technical application advice are beyond our control and are therefore the sole responsibility of the processor. If the application for which our products are used is subject to an official authorisation requirement, the user is responsible for obtaining these authorisations. We reserve the right to adapt the product to technical progress and new developments. For the rest, we refer to our General Terms and Conditions, in particular with regard to any liability for defects. You can find our GTC at www.otto-chemie.de.