

Semparoc I 12 NV

1C PUR adhesive, high resistance and short press time

Characteristics

Base

Polyurethane

Colour

Light beige

Density

1.25 g/cm³

Solids content

100%

Fluidity

Free flowing

Viscosity (Brookfield)

8'000–12'000 mPa·s

Form

Liquid

Storage

9 months in unopened original packaging
at 15–25 °C

Application area and materials

For common European woods and wood materials, synthetics, stone, ceramics, metals, insulating materials, concrete and non-flammable building boards. For tropical timber and woods with a high content of ingredients, we recommend performing bonding tests. For applications in exposed areas it is essential to seek clarification on the parts' intended use and to perform bonding tests.

Performance | Material properties

Information derives from tests carried out by Collano. Further information on request.

Bond strength

EN 12765, stress group C4

Temperature resistance

120 °C at short-term temperature stability

Fire resistance category

EN 13501, provided the appropriate materials and constructions are used

Resistance

Resistant against weak caustics, acids and solvents

Eco label

ecoBasis, does not violate any Minergie-ECO exclusion criteria

Packaging

Plastic bottles 800 g

Tin buckets 6 kg

Application data

The curing behaviour of 1C PUR adhesives depends on the moisture content and temperature of the adherends and the ambient climate. The figures are based on results of tests on precision bonds (wood moisture content 12%) made under standard conditions (20 °C and 65% relative humidity). Different conditions may lead to deviations from the said specifications.

Adhesive application quantity

100–300 g/m²

Pressure

0.1–1.0 N/mm²

Material moisture content

6–18%

Application temperature

10–30 °C

Maximum open assembly time

< 15 minutes

Minimum press time

> 45 minutes

Final strength

7 days

Application

It is essential that the surfaces are clean and grease-free in order to provide the best adhesion and quality of join. Apply the adhesive directly from the container and spread using the appropriate Collano spatula. When applying from plastic tank, follow the Collano Easy Applico 1000 operating instructions. The adherends should first be conditioned to match the climatic conditions of the intended application area, before gluing.

Clean-up

Wipe off any splashes of liquid adhesive using Collano HP 3000, Collano HP 3100 or ethanol. Remove cured adhesive using Collano HP 3000

Preventing and blocking adhesion

Collano HP 2000 can prevent adhesion to equipment, tools and machinery. For further information on cleaning and adhesion, please refer to the flyers on "Pretreatment and Cleaning of PUR Adhesives".

Safety

The wearing of protective gloves and safety goggles is recommended while handling the liquid product. Follow the instructions on the Safety Data Sheet.

Guarantee

We guarantee the consistency and faultless quality of this product, manufactured in accordance with ISO quality standards, which has been developed on the basis of our long standing experience with the recommended applications under the specified conditions. Material, processing, and application conditions may significantly influence product properties. Pre-application tests by the user are therefore essential. For non-specified applications or deviations in application conditions, we recommend that Collano's technical support service be consulted first. Collano's general sales and delivery terms and conditions shall apply.

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