

Collano RP 2810

1C PUR adhesive for wood and prefabricated elements construction, short open time

Characteristics

Base

Polyurethane

Colour

Beige

Density

1.3 g/cm³

Solids content

100%

Fluidity

Slow flow

Viscosity (Brookfield)

70'000–100'000 mPa·s

Form

Liquid

Storage

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



Application area and materials

For manual processing in the manufacture of wall and ceiling elements. In load-bearing structural areas, for spruce, fir and pine. For other types of wood, it is essential to seek clarification on the parts intended application and to perform bonding tests. For wood materials and other vapour-permeable materials. Important: In order to cure, it is important for moisture to reach the glue line from at least one adherend.

Performance and material properties

Information derives from tests to EN 15425:2017 (1C PUR for structural wooden parts) of the Materials Testing Institute University of Stuttgart. Additional information was obtained at Collano. Further information on request.

Tensile shear strength

EN 302-1, Glue line thickness 0.1 mm, 0.5 mm, 1.0 mm, storage types A1 to A7 and at -40 °C

Resistance to delamination

EN 302-2, Type I, high temperature

Fire resistance category

EN 13501, provided the appropriate materials and constructions are used

Eco label

ecoBasis, does not violate any Minergie-ECO exclusion criteria

Packaging

Tubular bags aluminium 600 ml

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

150–300 g/m²

Pressure

0.1–1.0 N/mm²

Material moisture content

8–15%

Application temperature

15–30 °C

Maximum open assembly time

< 10 minutes

Minimum press time

> 25 minutes

Conditioning time

1 hour

Final strength

7 days

Application

Press and dose the adhesive from the aluminium bag using the tubular gun. Use the applicator nozzle PUR Applico Vario to obtain a precise and even application of adhesive. Condition the adherends to match the climatic conditions of the intended application area before mating the adherends. For optimum joint quality, it is essential that the surfaces be clean and free of grease. Make thorough preparations for the bonding process and use products that have matching service properties.

Clean-up

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

Preventing and blocking adhesion

Collano HP 2000 can prevent adhesion to equipment, tools and machinery. Immersion in Collano HP 4000 prevents curing in applicator guns, casting tubes and applicator heads. 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.

The current data sheets are available at:

collano.com/en/downloads

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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