

Collano RS 8021

MS polymer adhesive for bonding assemblies and surfaces, trowelable

Characteristics

Base

Silan-terminated polymer

Colour

Grey

Density

1.34 g/cm³

Solids content

100%

Fluidity

Non-sag

Form

Liquid

Storage

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

Application area and materials

For manual bonding of assemblies and surfaces, insulation, car bodies, sandwich panels. For joining different construction materials that are exposed to vibration or deformation. Very good adhesion to various materials (ceramics, plaster, glass, wood, aluminium, stone, stainless steel, PC, GRP, HPL). Not suitable for ABS, PMMA, PE, PP or bituminous surfaces.

Performance | Material properties

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

Tensile shear strength

3.2 N/mm² Aluminium/Beech at 0.1 mm joint

2.4 N/mm² Beech/Beech at 1.0 mm joint

Tensile strength

1.8 N/mm², DIN 53504

Elongation at break

300%, DIN 53504

Hardness

Shore A 50, EN ISO 868

Temperature resistance

-40 °C to +100 °C

Packaging

Tubular bags aluminium 600 ml

Application data

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

Adhesive application quantity

200–400 g/m²

Pressure

< 0.4 N/mm², manual pressure, automated or mechanical bonding pressure

Material moisture content

8–18%

Application temperature

5–35°C

Skinning time

< 20 minutes

Minimum press time

> 120 minutes

Through-hardening time

3 mm per 24 hours

Final strength

7 days

Application

Press and dose the adhesive from the aluminium bag using the tubular gun. Easy to apply with a spatula. Also ideal for large surfaces. For precisely fitting areas, in order to cure it is important for moisture to reach the glue line from at least one adherend. Condition the adherends to match the climatic conditions of the intended application area before mating the adherends. For optimum wetting, it is essential that the surfaces be clean and free of grease.

Additional details

Can be overcoated with commercially available water-based emulsion paints. Tests are required when using solvent-based paints.

Clean-up

Wipe off any splashes of fresh adhesive using Collano HP 3000 or ethanol. Remove cured adhesive mechanically. For further information on cleaning, please refer to the flyers on "Pre-treatment 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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