

Carbond 940FC

Revision: 7/04/2015

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Technical data

Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 15 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness	40 ± 5 Shore A
Density	1,30 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	± 20 %
Temperature resistance	-30 °C → 90 °C
Max. tension (DIN 53504)	1,70 N/mm ²
Elasticity modulus 100% (DIN 53504)	0,80 N/mm ²
Elongation at break (DIN 53504)	700 %
Application temperature	5 °C → 35 °C

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Product description

Carbond 940FC is an elastic polyurethane adhesive for structural bonding of body elements.

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Properties

- Very easy to apply
- Permanent elastic after curing
- Excellent resistance to UV radiation
- Fast curing
- Excellent adhesion
- Can be painted over after curing
- High chemical resistance

Substrates

Substrates: all metals, epoxy coatings, polyesters, no pvc, ...

Nature: clean, dry, free of dust and grease.

Surface preparation: All smooth surfaces can be treated with Surface Activator.

No adhesion on glass. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

Applications

- Supple bonding and sealing in vibrating constructions in carbodies, caravans and containers.
- Strong elastic bonding in vibrating constructions.
- Flexible connections in automotive applications.

Joint dimensions

Min. width for bonding: 2 mm

Min. width for joints: 5 mm

Max. width for bonding: 10 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.

Packaging

Colour: white, black, grey

Packaging: 310 ml alu cartridge

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Application method

Application method: With manual- or pneumatic caulking gun.

Cleaning: Clean with white spirit or Surface Cleaner immediately after use.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material

Health- and Safety Recommendations

Take the usual labour hygiene into account. Use only in well-ventilated areas. Consult the packaging label for more information.

Remarks

- Carbond 940FC is paintable with most waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).
- Remove all traces of soap (tooling) because it will harm the adhesion of the paint onto the sealant.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. She is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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