Carbond 940FC

Technical data

Basis	Polyurethane
Consistancy	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/mm²
Elasticity modulus 100% (DIN 53504)	0,80 N/mm²
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.

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

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

Packaging
Colour: white, black, grey
Packaging: 310 ml alu cartridge

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

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.

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.

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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 appication.
- 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.