Carbond 940FC

Technical data

Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 15 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness**	40 ± 5 Shore A
Density	1,30 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	1,70 N/mm²
Elasticity modulus 100% (ISO 37)**	0,80 N/mm²
Elongation at break (ISO 37)**	700 %
Temperature resistance**	-30 °C → 90 °C
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

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

Properties

- Very easy to apply
- Permanently 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: rigid, clean, dry, free of dust and grease.
Surface preparation: All smooth surfaces can be treated with Soudal Surface Activator.
No adhesion on glass. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

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 Soudal Surface Cleaner immediately after use (before curing).
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.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Liability
The content of this technical data sheet is the result of tests, monitoring and experience. It 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.