Carbond 940FC

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

Features & Benefits

- 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.

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/m
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion (ISO 11600)	± 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

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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.