

## CARBOND 940 FC

Revision: 18/04/2011

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### Technical Data:

Base	Polyurethane
Consistency	Paste
Curing System	Moisture Cure
Skin formation (20°C/65% R.H.)	Ca. 15 min.
Curing Rate (20°C/65% R.H.)	3 mm/24h
Hardness (DIN 53505)	40 ± 5 Shore A
Specific Gravity (DIN 53479)	1,30 g/ml
Temperature Resistance	-30°C to +90°C
Elastic Recovery (ISO 7389)	> 80 %
Maximum allowed Distortion	20 %
Elasticity Modulus 100% (DIN 53504)	0,80 N/mm <sup>2</sup>
Maximum Tension (DIN 53504)	1,70 N/mm <sup>2</sup>
Elongation at Break (DIN 53504)	700 %

### Product:

Carbond 940 FC is a high quality, one-component polyurethane adhesive-sealant for a wide range of bonding and sealing applications in the automotive industry and aftermarket.

### Characteristics:

- Very easy application
- Stays elastic after curing
- Very good adhesion on many materials
- Excellent resistance to many chemicals
- Excellent resistance to UV radiation
- Can be painted after full cure (preliminary test recommended)

### Applications:

- All sealing and bonding applications in the automotive industry and aftermarket.
- Structural bonding in vibrating constructions
- Flexible bonding between metal parts

### Packaging:

Colour: white, grey, black, other colours on request

Packaging: alu cartridge 310 mL

### Shelflife:

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C. Protect against frost and temperatures above +40°C.

### Surfaces:

*Type:* all usual building surfaces, most metals, polyesters and many plastics. Do not apply on glass or PVC.

*State of Surface:* clean, dry, free of dust and grease

*Preparation:* Non-porous surfaces may be activated with Surface Activator.

We recommend a preliminary compatibility test.

### Joint Size:

*Minimum Width:* 2mm (in bonding applications)  
5mm (in joints)

*Maximum Width:* 10mm (in bonding applications)  
30mm (in joints)

*Minimum Depth:* 5mm (in joints)

*Recommendation:* 2 x joint depth = joint width

### Application:

*Method:* caulking gun

*Application temperature:* +5°C to +35°C

*Clean:* with white spirit immediately after use

*Finishing:* with a soapy solution or Soudal Finishing Solution before skinning

*Repair:* with same product

### Health- and Safety Recommendation:

Apply the usual industrial hygiene.

Remark: 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. In every case it is recommended to carry out preliminary experiments.

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Carbond 940 FC can be painted with many types of paints, however due to the large number of paints and varnishes available we strongly recommend a compatibility test before application.

No tooling material (such as soapy solution) may remain on the sealant, as this may have a negative impact on the paintability.

**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 by own tests to determine whether the product is suitable for the application.

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