

CI/SfB				
CAW P10				

Description

Fast curing, highly flexible, one-component, non-sagging silicone sealant and adhesive for construction and industrial purposes, with excellent heat resistance.

Colour

Anthracite

Packaging

- 310ml cartridges (12 per box)
- 400ml sausage foils (12 per box)

Technical Information

Property	Test Method	Note
Chemical base		Oxime, MEKO-free
Specific gravity	DIN 52451-A	~ 1.07g/cm ³
Resistance to flow/non-sag	DIN EN ISO 7390 20mm profile	~ 0mm
Film formation time	Internal test at 23°C / 50 % RH	~ 10min
Curing velocity	Internal test at 23°C / 50 % RH	~ 3.9mm/ 1st day
Volume shrinkage	DIN EN ISO 10563	~ 6%
Tensile strength at 100% elongation	DIN EN ISO 8339, method A	~ 0.9N/mm ²
Tensile strength at 100% elongation	DIN EN ISO 8339, method B	~ 0.9N/mm ²
Tensile strength at 100% elongation	DIN 53504 S2	~ 1.0N/mm ²
Tensile strength at break	DIN EN ISO 8339, method A	~ 0.9N/mm ²
Tensile strength at break	DIN EN ISO 8339, method B	~ 0.9N/mm ²
Tensile strength at break	DIN 53504 S2	~ 2.1N/mm ²
Elongation at break	DIN EN ISO 8339, method A	~100%
Elongation at break	DIN EN ISO 8339, method B	~100%
Elongation at break	DIN 53504 S2	~ 290%
Elastic recovery at 100% elongation	DIN EN ISO 7389, method A	~ 90%
Shore A hardness	DIN 53505 / ISO 868	~ 40
Processing temperature		+5°C to +40°C
Temperature resistance (long)		+40°C to +250°C
Storage temperature		+5°C to +25°C
Shelf life (dry room and unopened)		18 months

Storage Conditions

For FA890 anthracite: up to 18 months in dry rooms between +5°C and 25°C in unopened, original containers.



FA890

High Temperature Seal Silicone

Usage / Purpose

FA890 can be used to seal gaps and joints between heating elements and walls. Can be used inside and outside of a building where high temperature resistance is required.

Highly suitable for use in heating construction, furnace construction, and chimneys.

Key Benefits

- Fast curing one-component material
- Stays permanently flexible even at high temperatures
- Good extrusion and processing properties
- Neutral curing silicone
- Wide range of adhesion, sticks to a variety of different substrates
- Environmentally friendly, does not contain isocyanates, flame retardants, is free of BPAs, PAHs, phthalates or fluorine, bromine and ozone-depleting compounds
- MEKO-free formula

High Temperature Seal Silicone

Preparation

Surface preparation

- Substrates must be dry, degreased, free of dust and loose particles that would adversely affect adhesion.
- For metal or glass surfaces, clean with AT200 Cleaner.
- Sensitive substrates, such as power coated or plastic surfaces, should be cleaned with AT115 Cleaner.
- Good adhesion can generally be achieved without primer. However, when priming, the instructions of the primer must be followed (contact CPG UK for information).
- Preliminary compatibility testing of the substrate, including at raised temperature, should be carried out.

Application

- Fill the joint evenly, without air bubbles using FA890 with a hand operated or pneumatic application gun.
- It is recommended not to exceed adhesive depth of 15mm to ensure sufficient curing.
- Processing should be carried out between +5°C and +40°C.
- Smooth the surface using an illbruck smoothing agent, e.g. AA300 or AA301, before a skin forms on the sealant.
- Use the smoothing agent sparingly to avoid contamination. Remove any contamination quickly with water.
- For a clean finish, remove masking tape from the joint flanks once smoothed.

Please note

While curing, FA890 can withstand a maximum +40°C. After complete curing, from our experience, over 2000 hours at a temperature load of approx. 250°C is possible (short-term up to 300°C).

At prolonged high temperature loads, a change of properties is possible with potential interactions with adjacent surfaces. Therefore, suitability tests are necessary for every single application.

Do not expose to any thermal or chemical loads until the product is fully cured and the cleavage product has fully escaped from the adhesive.

Technical Service

Tremco CPG UK Ltd has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco

CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Ltd Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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