



GEOCCEL®

High Temperature Silicone

TECHNICAL DATA SHEET

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Geocel® High Temperature Silicone is a one component high temperature acetoxy silicone sealant suitable for sealing and bonding applications exposed to high temperatures, such as sealing gas flues, Aga range cookers and ovens.

- High Strength
- One part silicone sealant
- Withstands temperatures up to 300°C short term
- Withstands temperatures up to 250°C long term
- Non slump
- Good elasticity when cured
- Solvent free

SURFACE PREPARATION

Ensure that the surfaces to be sealed are clean, dry, sound and free from frost. Clean all joints of release agents, water repellents, dust, dirt, old sealants and other contaminants, which could impair adhesion. Surfaces should be cleaned and degreased by wiping with a suitable solvent, using a clean lint free cloth.

NOTE : When using solvent always ensure adequate ventilation. Avoid heat, sparks and open flames. Observe and follow all precautions listed on solvent container label.

APPLICATION

The sealant is ready to use. The nozzle opening should always be fractionally wider than the joint to be sealed, allowing sealant to make contact with both surfaces. Tooling of the sealant should be carried out within five minutes of application to ensure optimum contact has been made between the sealant and the substrate, leaving a smooth and professional finish.

CLEANING

Excess sealant may be cleaned off tools and non-porous surfaces whilst in an uncured state using cleaning wipes. Care should be taken not to damage plastic or coated surfaces. Alternatively, cured sealant may be removed from non-porous surfaces using Geocel Silicone Sealant remover.

LIMITATIONS

Geocel® High Temperature Silicone should not be used on surfaces that bleed oils, plasticisers, or solvents. It should be ensured that the sealant is compatible with the substrates to which it is being applied.

Geocel® High Temperature Silicone is not recommended for bonding to substrates where the acetic acid released during cure could react with the surface which it is in contact (e.g. concrete, cement, mortar and certain metals including zinc, lead, brass or copper alloys).

Geocel® High Temperature Silicone is not recommended for use on continuously submerged joints or for structural bonding applications.

PACKAGING

Geocel® High Temperature Silicone is available in cartridges packed in boxes of 12.



SPECIFICATIONS

ISO 9001

ISO 14001

SHERWIN-WILLIAMS

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TECHNICAL DATA

Colours	Black
Tack Free Time	30 minutes
Skin Time	20 Minutes
Cure Rate	3 mm after 24 hours
Application Temperature	5°C – 40°C
Service Temperature	-40°C – 250°C Long term -40°C – 300°C Short term
Movement Accommodation Factor	20±
Shore A Hardness	18
Specific Gravity	1.25
Tensile Strength	1.28 MPa
Elongation	700%

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

STORAGE LIFE

27 Months from date of manufacture when stored in unopened original packaging at room temperature.

HEALTH AND SAFETY

Health and Safety data sheets available on request.

TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

Tel: 0114 240 9305

Email: technical@geocel.co.uk

IMPORTANT NOTE: The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Geocel's sole warranty is that the product will meet the Geocel sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Geocel specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability.

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