

TECHNICAL DATA

Geocel® Auto

Silicone Rubber Sealant – Instant Gasket



Geocel® Auto is a one part silicone rubber sealant that is ideal for a wide variety of applications. It cures to form a tough, waterproof and flexible rubber compound, which will not shrink, crack or discolour.

- Fast Cure
- Non Slump
- Gloss Finish
- 100% Silicone
- Cures to form flexible seal
- Ideal for forming “Cast in place” gaskets
- Solvent Free

PRINCIPLE APPLICATIONS

Making permanent replacement gaskets; Sealing lamps, water hoses, windows & windscreens; Waterproofing joints and junctions; Creating damping and anti vibration seals; General purpose sealing and bonding.

TECHNICAL DATA

Storage Life 310ml - 27 months
78g - 18 months
from date of manufacture when unopened and stored in cool, dry conditions below 30°C

Cure System Acetoxo

Colour Black

Application Temperature 5°C to 40°C

Cured Service Temperature -40°C to 200°C

Specific Gravity 1.03

Working Time 5 minutes at 23°C and 50%RH

Skin Over Time 15 minutes at 23°C and 50%RH

Cure Rate 3mm per 24 hours at 23°C and 50% RH

Tensile Strength 2.3 MPa

Elongation at Break 480%

Hardness 26 Shore A

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.

SURFACE PREPARATION

Ensure that the surfaces to be sealed are clean, dry, sound and free from frost. Clean all joint surfaces to remove oils, greases, 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, (e.g. Dow Geocel® R40 Universal Cleaner or an alcohol based 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.

MASKING

Areas adjacent to the joints should be masked to prevent contamination of the substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

PRIMING

For specific advice on priming please contact Geocel® Technical Service.

APPLICATION

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. When using as an instant gasket, ensure all surfaces are clean. To enable components to be dismantled at a later date apply a light coating of oil or grease to one or both surfaces. Apply Geocel® Auto to one surface only in a bead 1mm to 3mm thick. Ensure bead is evenly spread, filling voids and irregularities between the two surfaces. Close and clamp assembly immediately. When the Geocel® Auto Sealant has cured sufficiently (approximately 12 hours), but before full cure, excess may be trimmed away with a sharp blade.

CLEANING

Excess sealant may be cleaned off tools and non porous surfaces whilst in an uncured state using Geocel® Universal wipes or Dow Geocel® R40 Universal Cleaner. Care should be taken not to damage plastic or coated surfaces. Alternatively, cured sealant may be removed by abrasion or other mechanical means.

LIMITATIONS

Geocel® Auto 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® Auto is not recommended for structural bonding or structural glazing applications. Geocel® Auto 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® Auto is not recommended for use on cylinder heads, carburettors or for continuous immersion in fuels and solvents such as petrol.

PACKAGING

Geocel® Auto is available in 310ml cartridges packed in boxes of 12 and 78g injectors packed in boxes of 6.

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.

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.

Geocel disclaims liability for any incidental or consequential damage.

