

TECHNICAL DATA

Geocel® Aquaria

Silicone Sealant



Geocel® Aquaria is a one part silicone sealant ideal for building small domestic glass aquaria, repairing cracks and sealing connections inside or outside the tank.

PRINCIPLE APPLICATIONS

- One component, easy to apply and tool
- Excellent adhesion to glass
- High modulus
- Fast tack free and cure time
- Safe for fish when fully cured
- Cures to form a permanently flexible watertight seal.
- Suitable for forming 'formed in place' gaskets
- High gloss finish

TECHNICAL DATA

Storage Life	310ml - 27 months 78g & 25g – 18 months from date of manufacture when unopened and stored temperin atures below 30°C
Cure System	Acetoxo
Colour	Clear
Application Temperature	5°C to 30°C
Specific Gravity	1.03
Working Time	5 minutes
Skin Over Time	15 minutes
Cure Rate	3mm per 24 hours at 23°C and 50% RH
Tensile Strength	2.3 MPa
Hardness	25 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 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, (e.g. Dow Corning® 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.

SEALANT 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. Ensure complete filling of the joint in order to prevent presence of bubbles. The sealant should have a minimum thickness of 1mm. Tooling a triangular bead inside is highly recommended.

FINISHING

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 Dow Corning® Universal wipes or Dow Corning® R40 Universal Cleaner. Care should be taken not to damage plastic or coated surfaces. Alternatively, cured sealant may be removed from non porous surfaces using Dow Corning® Silicone Sealant Remover.

FILLING AQUARIUM

Ensure that the sealant is fully cured before filling the aquarium with water.

LIMITATIONS

Geocel® Aquaria is designed for construction and repair of small domestic glass aquaria not larger than 600mm by 900mm by 600mm. When constructing designs above this size, customers should always seek expert help and test the design to ensure the sealant is safe, effective and fully satisfactory for the intended use. For sealing aquaria made of materials other than glass, please consult our technical department for assistance.

Geocel® Aquaria 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® Aquaria is not recommended for structural glazing or insulating glazing applications. Delamination of laminated glass may occur if used in contact with some types of interlayers. Geocel® Aquaria 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).

PACKAGING

Geocel® Aquaria is available in 310ml cartridges packed in boxes of 12, 78g injectors packed in boxes of 6 and 25g tubes packed in boxes of 12.

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.

