

## TECHNICAL DATA

# Geocel® Marine Silicone

## Silicone Rubber Sealant - Ultimate Long Term Performance



Geocel® Marine Silicone is a one part, high performance, flexible silicone sealant specifically formulated for watertight sealing of marine application.

Geocel® Marine Silicone has excellent long-term durability, offers high flexibility, good temperature accommodation (-55°C to 150°C) and excellent resistance to salt and fresh water.

### PRINCIPLE APPLICATIONS

Geocel® Marine Silicone is suitable for the following sealing applications:

- Sealing around hatches and port holes
- Insulating electrical connectors
- Locking nuts and bolts against vibration
- Sealing trunking
- Sealing pipework
- In-situ gaskets for water pumps and exhaust systems
- Creating watertight joints throughout

### SPECIFICATIONS

Manufactured under ISO 9001

### TECHNICAL DATA

|                                |   |
|--------------------------------|---|
| <b>Form</b>                    | Smooth void free viscous paste  |
| <b>Storage Life</b>            | Stored below 25°C, in original containers<br>310ml cartridges - 27 months<br>78g Injector - 18 months |
| <b>Specific Gravity</b>        | 1.02  |
| <b>Colours</b>                 | White, Clear, Black   |
| <b>Base</b>                    | Acetoxy silicone  |
| <b>Hazardous Ingredients</b>   | Non-hazardous   |
| <b>Flammability</b>            | Non-flammable   |
| <b>Application Temperature</b> | 5°C to 35°C   |
| <b>Temperature Range</b>       | -40°C to 150°C  |
| <b>Skin Time</b>               | 20mins at 23°C and 50% relative humidity  |
| <b>Cure Time</b>               | 3mm per 24 hours at 23°C and 50% RH   |
| <b>Hardness</b>                | 20-25 Shore A   |
| <b>Movement Accommodation</b>  | +/-20%  |
| <b>Tensile Strength</b>        | 2.3 MPa   |

**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 all surfaces are clean, dry, sound and free from grease. To obtain good adhesion, clean surfaces with Geocel® Surface Cleaner before applying the sealant. Areas adjacent to the joint should be masked with tape to prevent contamination of substrates and ensure a neat sealant line. Where there is a large gap, it is advisable to pack the joint with tissue paper.

## **APPLICATION**

Replace nozzle and cut tip to required width at a 45° angle. Ensure that the adhesive/sealant makes full contact with both sides of the joint. Cut the cartridge nozzle at an angle to ease control of the sealant flow. The nozzle should be cut according to the width of the joint. As the sealant extrudes from the cartridge, draw the cartridge towards you along the joint.

## **FINISHING**

Tooling should be carried out within five minutes of sealing, before a skin forms. This can be achieved by using the back of a spoon. When tooling, it is important to ensure a good contact between the silicone and the substrate. Masking tape should be removed immediately after tooling.

## **CLEANING**

Excess adhesive/sealant may be cleaned off tools, clothing and skin using Geocel® Universal Wipes.

## **LIMITATIONS**

Do not use on substrates that can bleed oils, solvents or plasticisers. Product releases acetic acid during cure, which can corrode sensitive metals such as copper, brass and lead.

## **PACKAGING**

Geocel® Marine Silicone is available in both 78g blister card packs packed in boxes of 6, and 310ml cartridges packed in boxes of 12.

## **ANCILLARY MATERIALS & EQUIPMENT**

**Cox Powerflow CARTRIDGE Gun**

**Geocel® Universal Wipes 150 per tub**

**Geocel® Surface Cleaner in 1L and 5L**

## **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.

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