

**PRO**  
**589**

Technical Data Sheet  
Pro 589  
Revision Date:  
Jan 2007

**Geocel**<sup>®</sup>



plastic & glass silicone sealant

neutral  
silicone

## Product description

**Pro 589** is a one component neutral-curing, High grade, low modulus plastic & glass silicone sealant with good overall adhesion to most substrates including capped ABS plastics. (Senco ESCR ISO 4599/527-2/1B/50 approved)

## Main Uses

**Pro 589** is ideal for:

- Sealing around UPVC / timber window and door frames,
- Bedding in glass
- General weathersealing.
- For use with glass blocks and panels, and polycarbonate sheeting
- Sealing movement joints both internally and externally
- Sealing capped ABS shower trays and units
- Roof joints on aluminium roofing
- Sealing metal and plastic mouldings
- Sealing external vents and lockers

## Features

- Non-corrosive
- Excellent weather resistance
- Durable and watertight seal
- Permanently flexible
- Low odour
- Low-shrinkage

## Product Characteristics

### Colours

Clear, White, Black, Brown, Brick Red, Stone

### Packaging

310ml cartridges packed in boxes of 12 and 600ml sausages packed in boxes of 10. Other sizes and packaging types available upon request

### Storage

When stored at or below +25°C in the original unopened packaging, this product has a useable life of 12 months from the date of manufacture

## Technical Data

### Chemical composition

Neutral silicone sealant

<b>Specific gravity</b>	1.00-1.20 approx
<b>Cure time</b>	Depth of 2mm per day at +23°C and 50% RH for an exposed bead.
<b>Movement Accommodation factor</b>	50%
<b>Viscosity</b>	Paste
<b>Service Temperature</b>	-40°C to +120°C
<b>Adhesion:</b>	Excellent adhesion to metals, glass, ceramics, wood, tiles and most plastics. For other substrates, test adhesion prior to application or consult Geocel Technical Service
<b>Elongation at break</b>	Approx 500%
<b>Shore A hardness</b>	Approx 18
<b>Skin over time</b>	15 minutes at +23°C and 50% RH
<b>Ageing</b>	Good Resistance

## Instructions for Use

**Usage** Product usage for the following joint dimensions:

Joint section in mm	6x6	8x8	10x6
Width and depth			
600ml Sausage	16m	9m	10m

### Application method Surface Preparation

Surfaces must be clean, dry and free from grease and dust. Non-porous surfaces such as aluminium, glass and metals should be cleaned using a suitable solvent for the substrate.

### Priming

When used in conjunction with most common construction substrates, a primer is not required. For specific substrates priming may be needed to improve adhesion. Please contact Geocel Technical Service for advice.

### How to apply

**Pro 589** is ready to use. After suitable joint preparation and masking, the sealant is gunned into place and tooled within 5 minutes, using a spatula which has been dipped in soapy water. Masking tape is then removed immediately. Uncured material may be removed by abrasion or other mechanical means.

### Limitations

**Pro 589** is not suitable for applications involving contact with natural stone such as marble, granite and quartzite as it can cause staining.

Do not use **Pro 589** on bituminous substrates, substrates based on natural rubber, chloroprene or EPDM or on building materials which may bleed oils, plasticizers or solvents.

**Pro 589** should not be used in situations where long term water immersion could be anticipated, and is unsuitable for the

manufacture or repair of aquaria.

**Pro 589** is not recommended for structural glazing applications.

### **Health and Safety**

Avoid skin and eye contact.  
Keep away from children  
Use only in well ventilated areas

Wear appropriate protective equipment including gloves and glasses.

Please consult the safe handling instructions available on the website: **[www.geocel.co.uk](http://www.geocel.co.uk)**

### **Limited Warranty information please read carefully**

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 damages.

Manufactured in the UK

Marketed in (specify the country)

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