

Cl/SfB		Yt4	
CAW P22			
Uniclass L675:P743			

### Description

GS123 is a rapid curing, sanitary grade, acetoxy silicone sealant with excellent resistance to mould and mildew. Excellent for sealing areas with high levels of moisture.

### Colour

White and translucent

### Packaging

310 ml cartridge (20 per carton)

### Environmental Considerations

The use of GS123 in the correct application will give an airtight seal in conformity with the requirements laid down in Approved Document L of the Building Regulations for England and Wales.

### Technical Information

Characteristic	Standard	Classification
Composition		acetoxy cure silicone sealant with fungicide
Density	at 23°C	~1.03 g/cm <sup>3</sup>
Extrusion Rate		~460 ml/min
Shore A Hardness	ISO 868	19
Skin Forming Time		12-20 minutes Dependent on temperature and humidity
Tensile Strength		0.8 MPa
Modulus at 100% Elongation		~0.4 MPa
Elongation at Break		~240%
Movement Accommodation		25%
Application Temperature		+5°C to +40°C
Service Temperature		-40°C up to +100°C
Storage		Store in shaded dry conditions between +5°C and +25°C.
Shelf Life		20 months when stored as recommended in original unopened containers.

### Necessary Tools

- Cartridge gun and sharp knife.

### Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

### Priming

- GS123 has excellent primerless adhesion to many typical substrates around kitchens and bathrooms. In certain cases with difficult substrates, a primer may be required., please contact tremco illbruck Technical Services Department to discuss your requirements.



## GS123

### Sanitary Silicone



#### Usage / Purpose

GS123 is a sanitary grade, acetoxy silicone sealant with excellent resistance to mould and mildew. Can be used in bathrooms, kitchens and similar applications. Gives good working time.

#### Key Benefits

- Excellent for sealing areas with high levels of moisture
- Can be sealed around all shower and bath types
- Meets the requirements of EN ISO 11600 S 25HM
- Superior mould resistance
- Excellent tooling properties

### Joint Design Considerations

- Joint design to be in accordance with BS 6093.
- For the purposes of joint width calculation in BS 6093, the MAF of GS123 is 25%.
- Minimum joint width should normally not be less than 5 mm (where there is joint movement).
- Width to depth ratio should typically be 2:1.
- Minimum width to depth ratio should typically be 1:1. Please note MAF is reduced at smaller width to depth ratios.
- The minimum contact area with any substrate (including for fillet joints) should be determined by the quality of the bond. If in doubt, please contact tremco illbruck.
- PE backing rod should be used in all movement joint applications.

### Surface Preparation

- Joint faces should be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant which may affect adhesion. Any previously applied sealant must be mechanically removed.
- Thoroughly clean with a suitable cleaning solvent using the two cloth method, using one cloth dampened with the cleaning product to lift contaminants and a second clean dry cloth is used to remove any cleaner residue.
- Apply masking tape to prevent contamination of adjacent surfaces.
- Contact tremco illbruck Technical Services Department for further information if required.

### Preparation

- Always carry out a test to confirm compatibility prior to use.
- Surfaces must be clean, free from grease and must be stable and dry.
- For non-porous substrates use cleaner AT200, do preliminary test.
- Use a brush to remove loose particles from joints.
- For plastics and powder coatings, clean with AT115 and conduct preliminary tests to confirm compatibility.

### Application

- Use a good quality sealant gun to expel the sealant consistently. Cut cartridge nozzle to desired aperture.
- Apply sealant slightly proud of desired level, spray on illbruck smoothing agent AA301.
- Tool off immediately using a jointing tool such as AA311. Wipe/wash away excess smoothing agent with clean water to avoid streaking.

### Coverage

Width x Depth (mm)	Linear metres per 310 ml Cartridge
5 x 3	20.7
5 x 5	12.4
8 x 6	6.5
10 x 8	3.9
15 x 10	2.1
20 x 12	1.3
25 x 15	0.8

### Cleaning

Clean tools or sealant spillage immediately with illbruck AT200 Cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

### Please Note

Not suitable for some substrates such as neoprene, butyl rubber, EPDM, bituminous or tar containing surfaces. Contact with bituminous or tar containing surfaces can lead to discolouration and failing adhesion. Not suitable for trafficable joints or areas subject to abrasion. Not suitable for over painting. For safe sealing on natural stone use FA870/ FA880. On other sensitive substrates test first.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.



#### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco

illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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