

Cl/SfB	Yt4
CAW P22	
Uniclass L675:P743	

Description

GS300 is a gun grade, acetoxy cure, glazing silicone which forms a flexible and durable weather tight seal. It can be used for all classical glass and glazing applications.

Colour

Translucent, white, aluminium, grey and black

Packaging

310 ml cartridges (20 per carton)

Environmental Considerations

The use of GS300 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

Property	Test Method	Results
Composition		acetoxy cure silicone sealant
Specific Gravity		1.02
Consistency	ISO 7390, profile U20	non-sag
Shore A Hardness	ISO 868	22
Skin Forming Time	at 23°C, 50% RH	15 min
Tack Free Time		Approximately 30 minutes
Cure Rate	at 23°C, 50% RH	2-3 mm/day
Tensile Strength	ISO 8339	0.8 Mpa
Modulus at 100%	ISO 8339	0.55 Mpa
Elongation		
Elongation at Break	ISO 8339	200%
Movement		±20%
Accommodation		
Elastic Recovery	ISO 7389	95%
Application Temperature		+5°C to +40°C
Service Temperature Range		-50°C to +180°C
Storage		Store in dry conditions between +5°C and +25°C.
Shelf Life		18 months when stored as recommended in original unopened containers.

Necessary Tools

- Cartridge gun and sharp knife.

Priming

- GS300 has excellent primerless adhesion to many typical construction materials. For special situations, or if in doubt, please contact tremco illbruck Technical Services Department to discuss your requirements.

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 GS300 is 20%
- Width to depth ratio of GS300 should be 2:1
- Minimum depth of 6mm on non-porous substrates and minimum depth of 10 mm on porous substrates.
- Sealant width not to be less than sealant depth.



GS300

Glazing Silicone



Usage / Purpose

GS300 is a high performance glazing silicone which forms a flexible and durable weathertight seal. It can be used for: all classical glazing joints including cap beads; shop windows, display cases, etc.; conservatories and greenhouses; and glass panels.

Key Benefits

- Meets the requirements of ISO 11600 G - 20 HM
- Excellent adhesion to most glazing and frame materials
- Wide service temperature range: -50°C to +180°C
- Accommodates joint movement up to 20%

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.

Joint Backing

- Deep joints should be filled with an approved material such as FM617 360° PU Foam. In movement joints, back fill the joint with polyethylene joint backing in order to control the depth of sealant and prevent three-sided adhesion.

Application

- Always carry out a test application prior to installation, to confirm compatibility and suitability for use
- Application should be in accordance with BS 8000:16 - “Code of practice for sealing joints in buildings using sealants”
- Apply between +5°C and +40°C using a conventional skeleton gun or electric/power equipment
- All beads should be tooled after application to ensure firm, full contact with the joint faces
- Tooling should commence without delay due to the rapid skinning of the product.

Coverage

Width x Depth (mm)	Linear Metres per 310 ml Cartridge
6 x 6	8.6
10 x 6	5.2
10 x 10	3.1
20 x 10	1.6
25 x 12	1.0

Cleaning

Remove excess sealant immediately with AT200 High Strength Cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

Please Note

Not recommended for sensitive areas which could react with the acetic acid released during cure, materials where migration of constituents can take place (eg. certain rubbers) or structural glazing applications. Do not use with concrete, marble, galvanised steel, copper, brass or lead. Avoid contact with oil based substrates (eg. impregnated timber). Not suitable for permanent immersion, over painting or where abrasion or physical abuse will be encountered (eg. trafficable joints).

Health & Safety Precautions

Safety data sheet must be read and understood before use.



Technical Service

tremco illbruck has a team of experienced Technical Service Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Service 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 Ltd. reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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