

Cl/SfB		Yt4
CAW P22	Uniclass L675:P743	

Description

GS300 is a gun grade, acetoxy cure, low modulus 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 cartridge (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

Characteristic	Standard	Classification
Composition		acetoxy cure silicone sealant
Specific Gravity		1.02
Consistency	ISO 7390, profile U20	non-sag
Shore A Hardness	ISO 868	20
Skin Forming Time	at 23°C, 50% RH	20 minutes
Tack Free Time		Approximately 30 minutes
Cure Rate	at 23°C, 50% RH	2-3 mm/1 st day
Tensile Strength	ISO 8339	0.6 N/mm ²
Modulus at 100% Elongation	ISO 8339	0.35 N/mm ²
Elongation at Break	ISO 8339	250%
Movement Capability	ISO 11600	25%
Elastic Recovery	ISO 7389	95%
Application Temperature		+5°C to +40°C
Service Temperature		-40°C up to +180°C
Storage		Store in shaded 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.

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.



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 - 25LM
- Excellent adhesion to most glazing and frame materials
- Wide service temperature range: -40°C to +180°C
- Accommodates joint movement up to 25%
- Suitable for sanitary applications
- Solvent free

Priming

- GS300 has excellent primerless adhesion to many typical construction materials, including: glass, tiles, ceramics, enamel, varnished or painted wood and some plastics. 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 25%
- Width to depth ratio of GS300 should be 2:1
- 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.
- Sealant width not to be less than sealant depth.

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 FM330 or FM365 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), toe and heel beading for glazing, 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 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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