



PRODUCT BULLETIN GLASS & AQUARIUM

Silicone Sealant

DESCRIPTION

STRONG SEAL GLASS AND AQUARIUM is a single component Acetic cure silicone sealant which vulcanizes on exposure to moisture in the air at room temperature, to produce a flexible elastomeric sealant. It is specially compounded considering all common construction with regards to glass and glazing application, aquariums, and all glass related jobs which is not specified in this. It is easy to apply and offers excellent adhesion to a variety of nonporous substrates such as glass, glazed ceramic tiles and aluminium. It is resistant to ozone, ultra-violet radiation, and temperature extremes. Cured sealant is mildew resistant where conditions of high humidity and temperature exist. It will bond to form a durable, flexible, waterproof seal on many common wet area building materials and with its very high properties, this can be used for many other applications that are other than glass too.

KEY PERFORMANCE PROPERTIES

- ❖ Easy – to – use one component type.
- ❖ Cures at room temperature at ambient humidity conditions.
- ❖ No surface pre-treatment or primer required.
- ❖ Outstanding adhesion to many nonporous substrates, including Glass, Glazed Ceramics, Aluminium, Masonry, some Plastics etc.
- ❖ Mildew resistant and excellent durability
- ❖ All temperature gun ability – can be applied in all temperatures.
- ❖ Excellent resistance to weathering, moisture, ozone, UV, temperature Extremes etc...
- ❖ Interior and Exterior applications.
- ❖ Anti fungus and antibacterial properties

TYPICAL PROPERTIES

Colour	White, Clear, Brown, Grey, Beige, Cream & Clear translucent
Consistency	Non-Slump Paste
Cross Linking System	Acetoxy cure
Skin Forming Time	7 minutes
Tack Free Time	12 minutes
Specific Gravity	≤ 1.20
Hardness (Shore A)	25
Depth Cure Rate (mm/Day)	2.4
Viscosity Flow	Non Sag
Tooling Time	13
Tensile Strength	1.1
Elongation %	> 800%
Young Modulus	0.25
Application Temperature Range	- 30°C to 200°C
Elastic Recovery, % Approx.	>100
Tear Strength ASTM D 624, Form B	6.5 N/mm ²
Shrinkage DIN 53504 S3A	10%-15%
Shelf life in months from production date	12 Months



MECHANICAL PROPERTIES, 2mm thick sealant – ASTM D 412	
Tensile strength Mpa Approx.	1
Elongation at Break,%, Approx..	>700

Application Method: Surface must be clean, dry and should be free from oil, grease, dust and frost. After suitable joint preparation and masking, attach the nozzle to cartridge, cut to required dimension and the sealant is gunned into gap continuously and tooled within 5 minutes. Do not use in totally confined spaces because the sealant requires atmospheric moisture to cure.



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Handling and Storage: No special precaution has to be exercised. Always follow appropriate personal and industrial hygiene practices. Avoid direct contact with eyes, skin. Keep out of reach of children. Refer MSDS for further information. Store below 25° Centigrade in a cool dry shaded area.

Note: The information in this data sheet is given in good faith but without warranty, as conditions of storage and use may vary which is beyond our control. User is requested to determine whether the STRONG SEAL product is fit for a particular purpose and suitable for user's method of use and application.



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