

GECO



UNISEAL

GENERAL PURPOSE PRO
SILICONE SEALANT



FLEXIBLE



HIGHLY
DURABLE



WATERPROOF



UV RESISTANT



Uniseal

GECO UNISEAL is a general-purpose single component acetoxy cure silicone sealant. It cures on exposure to moisture in the air to form a durable and flexible elastomeric sealant. It resists aging, weathering and thermal cycling without hardening, shrinking or cracking.

Features



Flexible

Remains elastic after curing, allowing it to absorb movement and joint expansion without losing adhesion.



Highly Durable

Designed to withstand long-term exposure to stress, weather, and ageing without deterioration.



Waterproof

Forms a watertight seal that prevents moisture penetration and leakage.



UV Resistant

Resists sunlight exposure without yellowing, cracking, or losing performance.



Crack-free

Maintains a smooth, continuous seal without cracking even under movement or temperature changes.



Low VOC

Contains low volatile organic compounds, making it safer for indoor use and environmentally responsible.

Areas of Application

GECO UNISEAL can be used:

- in all general-purpose construction and glazing applications
- to seal door & window frames, joints in sanitaryware assembly
- on variety of nonporous substrates such as glass, painted metals, aluminium, glazed ceramic, aluminium, non-oily woods, plastics, fiberglass, etc.

Coverage

One 280 ml cartridge will cover 9.6 linear metre joint at 5 mm width x 5 mm depth.

Packaging

Available in 280 ml plastic cartridge with separate nozzle.

Application Procedure

1. Clean the surface thoroughly and ensure it is dry and is free from dust, dirt, grease and loose particles.
2. Use masking tape on both sides of the joint to get a uniform joint.
3. Cut the nozzle at 45o angle to the desired beading thickness.
4. Load the cartridge into the sealant gun and apply it in a steady and continuous flow.
5. Immediately after filling the joint, tool the sealant surface with pallet knife or similar tool to remove air bubbles and to fill up all voids.
6. Remove masking tape once the sealant is in touch dry condition.
7. Allow the coating to air cure for approximately 24 hrs for 2 mm thickness and 24 hrs for each further mm.

Working Properties

Colour	Clear & white
Skin Forming Time	8-10 minutes
Tack Free Time	30 minutes
Tooling Time	20 minutes
Application Temp. Range	-20 °C to 180 °C

Note: Values will vary depending on service and surface conditions.

Technical Properties

Cross Linking System	Acetoxy cure
Specific Gravity	≤ 0.94
Hardness (Shore A)	15-18
Depth Cure Rate (mm/day)	2 to 2.5 mm
Tensile Strength	0.9
Elongation	>700%
Young Modulus	0.22
Elastic Recovery, % Approx.	>80
Tear Strength ASTM D 624, Form B	5 N/mm ²
Shrinkage DIN 53504 S3A	20%

Shelf Life & Storage

Shelf life is 12 months from the date of manufacturing, if stored in unopened and original packaging. Store in dry place away from direct sunlight.

Cautions

- Non-paintable
- Do not use in structural glazing application
- Do not use for filling gaps on masonry & cementitious surfaces
- Do not use in aquariums, concrete, marble, lead, copper, galvanised steel and PP, Teflon, and bituminous surfaces

Disclaimer: The product information and applications details given in this data sheet is meant to serve as a general guideline only. Users are advised to undertake a trial for product suitability prior to full-scale usage. There is no express or implied guaranty/warranty for the results. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.