

GECO



UNISEAL WEATHERPROOF

NEUTRAL ALL-WEATHER
SILICONE SEALANT



UV RESISTANT



EXCELLENT
WEATHERABILITY



HIGHLY FLEXIBLE



NON-CORROSIVE



Description

GECO UNISEAL WEATHERPROOF is a neutral-cure, elastomeric silicone sealant engineered for superior weather resistance. It delivers a durable, flexible seal that withstands rain, heat, ozone, and extreme temperature fluctuations, ensuring long-lasting performance in demanding outdoor conditions.

Features



UV Resistant

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



Excellent Weatherability

Ensures long-lasting resistance to UV, rain, and temperature extremes without cracking.



Highly Flexible

Low modulus with extension & compression capability up to 30% of the original joint width.



Outstanding Adhesion

Adheres well to many substrates, like glass, aluminium, ceramics, concrete, masonry and many porous materials.



Durable

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



Non-corrosive

Prevents chemical reaction with metals and sensitive substrates, ensuring long-term adhesion without rusting, staining, or surface damage.

Areas of Application

GECO UNISEAL WEATHERPROOF can be used:

- for sealing glass, aluminium, non-oily wood, brick, concrete, steel, ceramic, selected plastics, etc.
- to seal of aluminium/glass window frame joints, fixing glass into aluminium frames in lieu of rubber beading.
- for sealing expansion and control joints, precast concrete panel joints, non-structural curtain wall joints, and modular component joints.
- general-purpose glazing and perimeter sealing including weatherproof sealing around metal or wooden door/window joint.

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 45° 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.

Coverage

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

Limitations

- 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

Technical Properties

Property	UNISEAL WP	UNISEAL WP	Standard
Colour	Clear	White, Black, Grey	-
Base	Polysiloxane	Polysiloxane	-
Consistency	Non- Slumpy Paste	Non- Slumpy Paste	-
Curing System	Moisture Curing	Moisture Curing	-
Cross Linking	Oxime	Oxime	-
Viscosity Flow	Non Sag	Non Sag	-
Specific Gravity	1.00 ± 0.02g/mL	1.36 to 1.40 ± 0.02g/mL	DIN 53479
Skin Time @ 23°C / 50% R. H.	10 minutes	10 minutes	-
Tack Free @ 23°C / 50% R. H.	20 minutes	20 minutes	ASTM 679
Tooling Time	20 minutes	20 minutes	-
Depth Cure Rate (mm/Day)	1.50 to 2mm	>2 mm	-
Shore A Hardness	20 – 30	30 – 40	ASTM D 2240
Temperature Resistance	-60°C to 150°C	-60°C to 180°C	-
Application Temperature	5°C to 30°C	5°C to 30°C	-
Elongation at Brake %	>300	350 – 400	ASTM D412
Tensile Strength (N/mm ²)	0.90 – 1.50	0.90 – 1.60	ASTM D412
Full Cure	7 days	7 days	-

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

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.