Product description

Glass Seal is UV and weather resistant for exterior glazing applications subject to sun, wind and rain.

Glass Seal is an acetic (acid) cure, silicone glazing sealant with strong adhesion to glass and framing materials.

Recommended uses

- Glazing applications such as
  - Butt joints
  - Wet caps
  - Heal beads
  - Weather seals
- Single and 1st storey exterior glazing
- Interior glazing

Suitable for use on

- Glass
- Anodised Aluminium
- Colour coated steel and aluminium
- Timber

Features and benefits

- UV and weather resistant
  - Excellent resistance to accelerated aging and weathering to ASTM C792
  - Permanently flexible
  - Will not shrink or crack
- Thixotropic - no sagging or running
- Excellent flexibility - joint movement +/-25%
- Very easy to apply and gives a smooth finish

Precautions

- Not for permanant immersion including:
  - Swimming pools
  - Aquariums / Fish tanks
- Not recommended for use on:
  - Mirrors
  - Laminated glass
  - Reflective glass
  - Teflon
  - Polypropylene
  - Polyethylene
  - PVC
  - Concrete, cement or masonry
  - Stone
  - Galvalnised steel
  - Brass and bronze
  - Materials containing bitumen
- Not recommended for:
  - Structural glazing

Typical Properties

Property	Typical Value
Chemical type	Acetoxy silicone
Skin time BS5889	6 mins
Tack free time ASTM C679	45 mins
Tool working time ASTM C679	Up to 10min @ 25ºC 50% RH
Sag or slump MIL-A-4106A	0mm
Application temperature	-10 to 40ºC
Cure rate	1.3mm / 24 hours
Service temperature	-50 to 150ºC
Max. joint movement ASTM C920	±25%
Tensile strength ASTM D412	1.80N/mm^2
Modulus at 100% elongation ASTMD412	0.40N / mm^2
Elongation at rupture ASTMD412	520%
Peel strength after UV through glass FED TT-S-00-1543A	62N/25mm
Cure hardness ASTM C661	Shore A20

Skinning Time

Up to 10 minutes at 25°C and 50% relative humidity. Cooler temperatures and / or lower humidity will result in longer skinning time. Higher temperatures and / or humidity will result in faster skinning time.

Cure

Glass Seal cures by reaction with moisture in the air so cure starts from the air exposed surface and propagates through the sealant at a rate of 1.5 to 2 mm per 24-hour period.

Clean up

Clean up uncured material and equipment immediately after use using mineral turps. Cured Glass Seal is difficult to remove. Masking around joints before application of sealant is recommended to avoid clean up and to provide a neat finish.

Colours, Pack Sizes and Order Numbers

Colour	Pack Size	Order Number
Translucent	300ml	GLSLCLG300

Storage

Store between 5°C and 30°C. Shelf life is 1 year in original unopened container.

Health and Safety

Avoid contact with the skin, eyes and avoid breathing vapour. For more detailed information refer to the Material Safety Data Sheet. Call 0800 726 738 or visit the website www.ramset.co.nz