

Alspeg 20

Acetic 100% Moisture Cure RTV Silicone Sealant

DESCRIPTION:

ALSPEC 20 sealant is an acetic one-part moisture-curing high-performance industrial RTV silicone. It is a high-strength, 100% silicone designed for general-purpose glazing and sealing applications where long-term reliability is required. It can also be used in the manufacturing of aquariums and has a superior chemical and temperature performance compared to neutral silicones. It is unaffected by high and low temperatures, and its superior physical properties are retained over many years of exposure.

FEATURES & BENEFITS:

ALSPEC 20 has excellent adhesion to most common building materials, including glass, aluminium, wood, ceramics plastics, and most powder-coated surfaces. It is not recommended for galvanised steel and concrete; neutral cure silicones are recommended in these cases.

- Superior Adhesion.
- Low Slump.
- Movement capability +/-25%
- 3–6-minute skin time.
- High-Temperature resistance up to 205°C
- Suitable for food applications

RECOMMENDED USE:

ALSPEC 20 is ideal in applications such as-

- Automotive gaskets
- Industrial assembly
- Sealing environmental and refrigerated rooms
- Some sheet metals
- Skylights
- Ventilators and air-conditioning units
- Weatherproof seal
- Aquariums

SUBSTRATES:

It is always suggested to conduct “Pre-Adhesion” Tests on substrates to ensure an adequate bond is achieved. Where oils are or may be present, clean the surface using a non-oil-based solvent cleaner.

Glass, fibreglass, powder-coated aluminium, stainless steel, Zinalume, roofing profiles and many other common substrates.

Don't hesitate to get in touch with your local ALSPEC distributor.

SURFACE PREPARATION:

All surfaces must be clean, dry, sound, and free from dust, oil, rust, or other contamination.

Metals should be cleaned with a non-oily solvent-soaked clean cloth.

The solvent should be wiped from the surface with a clean, dry cloth. Use alcohol such as methylated spirits on glass. When used on remedial work, all existing sealants must be removed. Please check with your local ALSPEC consultant if you are unsure.

APPLICATION:

Cut nozzle at 45°C angles to desired thickness.

Insert the cartridge into a caulking gun sealant at a 45° angle with the nozzle in contact with both sides of the joint. Apply by pushing the Silicone ahead of the nozzle, thus pushing it firmly into place and spreading the sealant against joint surfaces to ensure positive surface-face adhesion.

COLOURS:

- Translucent

TECHNICAL DATA:

PRODUCT INFORMATION:	
Curing Method	Acetic 100%
Sag / Slump @23°C	No Slump-0.01%mm Max
Dynamic Joint Movement	+/- 25%
Shelf Life	12 months below 28°C
Packaging	310gram Cartridge
Hardness (ASTM D2240)	29 Shore A
APPLICATION DATA:	
Skin time @ 20°C @50% RH	3-8 minutes
Cure Time (10mm) @ 25°C & 50% RH	5-7 Days
Application Temperature Range	-60°C to +205°C
PERFORMANCE DATA:	
Elongation	400%
Tensile Strength (PSI)	320
Specific Gravity	1.03
ELECTRICAL TYPICAL PROPERTIES	VALUE
Dielectric Strength Kv/mm(v/mil)	20(500)
Dielectric Constant @ 60Hz	2.9
Dissipation Factor @ 60hz	0.0026
Volume Resistivity ohm-cm	2.5x10 ¹⁴ (10)

LIMITATIONS:

ALSPEC 20 is not recommended for use:

On submerged joints where porous substrates permit water to the bond interface. For use on galvanised steel, concrete, or where acetic acid will attack the substrate, use Alspec 100% Gloss/Matte Neutral in these applications.

For certain rubber products where bleeding of plasticiser may occur, please get in touch with your local Alspec representative if unsure.

SAFETY & HANDLING:

- Emits Acetic Acid whilst curing.
- Do not breathe in vapours whilst curing.
- Wear suitable respiratory protection.
- Use in well-ventilated areas.
- Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing.
- Do not eat, drink, or smoke while using this product.
- Take off contaminated clothing and wash it before reuse.
- If on the skin, wash with plenty of soap and water.
- If in the eyes: rinse immediately and cautiously with water for 15 minutes.
- Remove contact lenses; if present, continue rinsing.
- If inhaled, remove them to fresh air and keep them at rest in a position comfortable for breathing.
- If any skin or eye irritation persists or you feel unwell, seek medical attention.

The Safety Data Sheet is available upon request.

KEEP OUT OF REACH OF CHILDREN

WARRANTY STATEMENT:

ALSPEC guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specifications.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

ALSPEC will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out per the relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to ALSPEC .

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

PHONE: 1300 257 732

WEBSITE: www.alspec.com.au

AUSTRALIAN CONSUMER LAW:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

DISCLAIMER:

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.