

# TECHNICAL DATASHEET

## Universal Silicone

### Description & Uses

Cromar AlphaChem Universal Silicone is a high performance, quick curing, universal silicone for general sealing, glazing and sanitary applications. Provides a permanently water tight flexible seal and offer excellent adhesion properties on most common non-porous building materials.

Ideal for:

- General sealing and glazing applications
- Sealing around windows and doors for insulation and gap filling
- Sealing in DIY applications
- Connection and expansion joints on glass, porcelain, steel etc
- Sealing electric, telephone etc. sockets and switches
- Sealing around baths, showers and other sanitary ware and fixtures

**Available in:** White, Black, Brown and Clear in 295ml cartridges.

### Application

- Ensure all surfaces are clean, sound, dry and free from dust, grease or other contaminants. Old silicone should be removed using a silicone remover.
- Application temperature must be between +5°C and +40°C, below 5°C a dry surface cannot be guaranteed due to the potential for moisture.
- Fill any gaps or voids with Alpha Chem Expanding Foam or suitable backing tape or rod.
- Cut thread and then the nozzle to the required size.
- Apply sealant with a sealant gun and tool down, with light pressure, using a wetted spatula or gloved finger within 5 minutes of application.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed by mechanical means, when using sharp edged tools be careful not to damage surrounding materials .
- It is the user's responsibility to dispose of all packaging correctly.

### Storage

Store in cool, dry conditions between +5 and +30°C.

### Shelf Life

12 months if stored in unopened, original packaging as directed.



### Limitations

- Not recommended to use on porous surfaces like marble, natural stone, concrete etc. Because of acidic curing, it must not be used on mirrors and sensitive metals like copper, brazen, lead.
- Not overpaintable.
- Not suitable for aquariums.
- Apply in well ventilated areas.
- It is the user's responsibility to determine suitability for use.
- Read the label prior to use it contains essential health and safety information, further information can be found on the Safety Data Sheet available on request.

### Technical Data

<b>Specific Gravity</b>	0.96 ± 0.03 gr/cm <sup>3</sup>
<b>Tack Free Time</b>	11-12 minutes (@ 25°C and 50% R.H)
<b>Cure Rate (1 day)</b>	2mm (@ 25°C and 50% R.H)
<b>Tensile Strength (ASTM D412)</b>	≈ 1.50 Mpa
<b>Modulus at 100% (Mpa) (ASTM 412)</b>	≈ 0.55
<b>Elongation at Break (ASTM D412)</b>	300%
<b>Shore Hardness A (ASTM D 53505)</b>	16-17
<b>Application Temperature</b>	+5 to +40°C
<b>Temperature Resistance</b>	-45 to +150°C

### Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com).

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