

# IDENDEN HEAT RESISTANT SILICONE SEALANT 40-297

Idenden Heat Resistant Silicone Sealant 40-297 is a medium modulus acetoxo sealant that will accommodate  $\pm 35\%$  joint movement throughout a wide service temperature range. It cures rapidly on exposure to atmospheric humidity, to form a permanently flexible and durable weathertight seal. The cured sealant is resistant to many acids, diluted bases and salt spray and will tolerate occasional exposure to industrial solvents and hydrocarbon based products. Idenden Heat Resistant Silicone Sealant 40-297 adheres strongly to non-porous surfaces such as steel and aluminium. Porous surfaces may require priming prior to application of the sealant. The sealant is suitable for use in HVAC ducting and construction joint applications.

**Features**

- Very wide service temperature range from  $-50^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$
- Permanently flexible seal
- Supplied in cartridges for ease of application
- Extremely high solids content means low shrinkage
- Conforms to the performance requirements of BS5889 (1989) Type B

**Product Characteristics**

<b>Colour</b>	Transparent
<b>Form</b>	Soft paste cream
<b>Weight per litre</b>	1.04 kg
<b>Composition</b>	Medium modulus acetoxo silicone. Solids content 95% by volume
<b>Packaging</b>	Cartons of 25 x 310ml plastic cartridges
<b>Shelf life/storage</b>	At least 12 months from date of manufacture when stored unopened in a cool, dry place within the temperature range $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$ and out of direct sunlight. PROTECT FROM FROST

**Typical Performance Data (approx.)**

<b>Curing time</b>	<i>Touch:</i> 5-15 minutes <i>Through:</i> 1-7 days (dependent on bead size and humidity)
<b>Service temperature</b>	$-50^{\circ}\text{C}$ to $+200^{\circ}\text{C}$
<b>Application temperature</b>	$+5^{\circ}\text{C}$ to $+40^{\circ}\text{C}$
<b>Reaction to fire</b>	<i>Wet:</i> Non-flammable <i>Dry:</i> When cured does not support combustion
<b>Coverage</b>	44 metres of 3mm diameter bead per 310ml cartridge
<b>Water vapour permeance</b>	Low

**Primer**

To improve adhesion, a primer is recommended

**Solvent for cleaning up**

*Wet:* White spirit  
*Dry:* Abrasion

**Directions for use****IMPORTANT**

Before embarking on any work involving Idenden Heat Resistant Silicone Sealant 40-297, the separate Safety Data Sheet should be carefully studied by those carrying out the work.

1. Surfaces should be clean, dry and free from dust, oil, grease and any loose materials.
2. Porous surfaces may require priming before application of sealant.
3. Cut off the dome at the top of the cartridge, cut the nozzle to the required diameter and then screw it onto the cartridge.
4. Insert the cartridge in a mastic gun and lay a bead along the joint to be sealed.
5. Using light pressure, tool the sealant before skin formation occurs, to spread the material against the joint surfaces.
6. Remove excess uncured sealant with white spirit and cured sealant by abrasion.

**Precautions in Use**

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate health and safety data sheet for Idenden Heat Resistant Silicone Sealant 40-297.

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Bostik Findley Limited, Common Road, Stafford, ST16 3EH, England Tel: +44 (0)1785 272727 Fax: +44 (0)1785 257898 www.bostik-findley.co.uk