Product Information

Description

Termicide Sealant is a one component, non-flowing, NEUTRAL cure, and MID modulus silicone sealant.

It cures by absorption of atmospheric moisture to form a flexible and durable elastomeric sealant.

Special Features

Termicide Sealant is a sealant for use in saw cuts, shrink cracks, ant capping and general construction. It offers good adhesion to galvanising, zincalume, PVC and concrete. The thixotropic nature of this product ensures that it will not slump in typical construction joints.

Typical Uses

It provides a termite resistance seal when used in conjunction with other termite resistant products,
Tilt up panels: fills the voids between panels
PVC strip shielding: fills the joints in the shielding
Saw cuts: is used to fill the saw cut
Shrinkage cracks: it is used to fill the crack
Exposed key joints: it fills the joints between concrete
Ant capping: it fills the gap between hold down rods, bolts and joins.
Exposed slab edge construction
Construction joints

One Part System

Being one-part Termicide Sealant offers the confidence of consistent even cure. It also improves operator productivity, as time is not lost mixing the product, is easy to use in difficult locations, and can be applied out of a standard caulking gun.

Packaging

The standard packaging for Termicide Sealant is 410-gram polyethylene cartridges.

Long Life Reliability

Termicide Sealant has excellent natural aging stability. It will maintain its elastomeric joint sealant properties permanently, even under harsh conditions and temperature extremes.

Characteristics

System	Properties	
Property	Mean Result Achieved	Test Method
Skin Time	9 Minutes	SS 5889
Tack Free Time	30 Minutes	A STM C679
Tooling Time	10 Minutes	ASTM C679
Sag or Stump	Nil	RS5889

Cured Properties

Property	Mean Result Achieved	Test Method
Shore A Hardness	22	ASTM C 661
Modulus at 100% Elongation	0.4MPa	ASTM D 412
Tensile Strength	1.10MPa	ASTM D 412
Elongation at Rupture	630%	ASTM D 412
Peel Strength after UV through Glass	50N/25mrn	BS5889
Dynamic Movement Capacity	±20%	ASTM C 920
Accelerated Aging and Weathering	Excellent	ASTM C 792

Temperature

	Minimum	Maximum
Application Temperature	-10°C	+40°C
Service Temperature	-50°C	+150°C

Application of the sealant at -10°C is permissible provided the surface to receive the sealant is dry and free of frost. The maximum service temperature listed is for transient temperatures; the sealant will deteriorate if subjected to these temperatures on a continuous basis.

Colours

Grey

Sealant Application

Joint Design

The Termicide sealant must be capable of withstanding the expected joint movement. To calculate the joint width, establish the expected movement (expansion, contraction and shear movement) that the joint is required to withstand. The dynamic movement capability of **Termicide Sealant** is ± 20. The Data Sheet on Joint Design contains the formula for calculating the required joint width from the expected joint movement and the dynamic movement capability of the sealant. The joint design must avoid three-sided adhesion. The sealant depth for a weather seal is normally half the joint width. The minimum acceptable joint depth is 6mm; therefore, if the required joint width is 6mm the depth is also 6mm.

Back up Material

Use a closed cell polyethylene-backing rod, 25% larger than the joint width, to control the depth of the joint.

Compatibility with Adjacent Substrates

Silicones are not always compatible with plasticised sealants, such as butyls. Also some backing rods and glazing tapes contain bitumen or other agents that are incompatible with the silicone. The incompatibility may cause discolouration, poor sealant cure or long-term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials occurs.

Application

Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease. Use the two-wipe process for impervious substrates. Ensure the cloths are clean and changed frequently, and use a suitable solvent such as White Spirits. Typical substrates are aluminium, PVC and zincalume. For porous surfaces such as concrete, abrade the surface to remove loose particles. When extruding the sealant cut the nozzle to the desired width, cut the tip off the cartridge, and apply the sealant firmly to ensure good contact between the sealant and the substrate. Before the sealant has skinned, tool it off to ensure a good finish, and to improve the wetting out of the sealant to the substrate. To achieve satisfactory adhesion a primer may be required for some substrates (PVC). Consult the manufacturer or your distributor for more information.

Curing

Termicide Sealant cures by absorbing atmospheric moisture, it will skin over in 9 minutes and cure to a depth of 7 M.M. in 7 days.

Design Support

Because of the importance of Surface Preparation, Sealant Application and Joint Design Termicide Pty. Ltd. provide specific Data Sheets on these topics. These Data Sheets are available Free of Charge, and we strongly recommend that you consult these sheets before commencing application of the sealant. We will also review shop or working details, test substrates, and associated materials for compatibility and adhesion, and make sealant recommendations when requested.

Storage and Shelf Life

Always store the sealant in a cool dry place. Ideal storage temperature is not more than 25°C. Prolonged storage at high temperatures may affect shelf life and ultimate performance. The shelf life of **Termicide Sealant** is 9 months from the date of manufacture when stored below 25°C and below 50% relative humidity.

Limitations

Termicide Sealant is **NOT** suitable for use in the following applications:

- As the sealant requires atmospheric humidity to cure, it will not cure in totally confined spaces where it does not have access to atmospheric humidity.
- Structural Glazing
- Under Water Applications (including swimming pools)
- N. B. This product is suitable for some applications where the sealant is in contact with water for extended periods. Please contact Termicide Pty Ltd. to confirm your design details before commencing such an application.
- Below Grade Applications
- Stone (We recommend the completion of a stain testing program before using any sealant on stone)
- This silicone is not paintable

Health and Safety

Termicide Sealant is not classified as a Dangerous Good but is classified as a Hazardous Substance according to the ADG Code and Worksafe Australia respectively. The product however, should be used in accordance with good occupational, health and safety practices. May cause irritation if swallowed, moderately irritating to eyes. Repeated or prolonged skin contact may lead to irritation. High concentrations of vapour may irritate respiratory tract. Releases methyl ethyl ketoxime (mcko) until fully cured.
Do not swallow and avoid contact with the skin as this may cause sensitisation. If contact with the eyes occurs, wash eyes with copious quantities of water and consult a doctor if irritation persists

The Material Safety Data Sheet defining the known hazards and describing the appropriate safety precautions with respect to the product is available through Termicide Pty. Ltd.

Important Notice for Users

We based the information and data contained in this publication on our current knowledge of the product. The properties of individual batches of sealant may vary from the results published as mean results achieved, however our Quality Control System will ensure they are always within an acceptable tolerance of the published figures. As the application, use and processing of the product are beyond our control Termicide disclaims any warranty for fitness for use or for a particular purpose Termicide Pty. Ltd. can provide a comprehensive testing service, in a NATA Registered Laboratory. Where particular performance criteria are required we strongly recommend that a testing program be carried out, prior to the commencement of the project. Suggestions for use should not be taken as an inducement to infringe any particular patent
* Termicide Termite Resistant Sealant is a registered trademark of Termicide Pty Ltd.