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a.b.e.<sup>®</sup> Construction Chemicals

# abe<sup>®</sup> silicone

## MULTI-PURPOSE ACETOXY SILICONE SEALANT

### DESCRIPTION

**abe<sup>®</sup> silicone** multi-purpose sealant is premium quality silicone. A fast cure, single component, high performance sealant with anti-fungicidal properties.

### USES

Suitable for interior and exterior use on most non-porous surfaces including glass, ferrous metal, porcelain, ceramic tiles, plastic, painted surfaces and rubber.

### ADVANTAGES

- Flexible
- 25% joint movement
- UV resistant
- Excellent adhesion

### SURFACE PREPARATION

Surfaces must be clean, dry and free from grease and dust. Non-porous surfaces such as aluminium, glass and metals should be cleaned using a suitable solvent for the substrate.

### MIXING

No mixing is required.

### COVERAGE

Dependent on joint size, approximate coverage is 7.7 m per 280 ml cartridge based on a 6 mm x 6 mm joint.

#### TYPICAL PHYSICAL PROPERTIES

Cure type	Acetoxy
Colours	Clear, white, black
Specific gravity	0.96 – 0.97 g/ml
Extrusion	800 g/minute
Penetration	270 mm/30s
Skinover time	10 minutes @ 23 °C and 50% RH

#### 2 mm thickness: S2 dumb-bells

E modulus 100%	0.56 MPa
Tensile strength	2.0 MPa
Elongation at break	500%
Hardness (Shore A)	17
Slump	Nil
Movement tolerance	+25%
Cure Rate @ 23 °C and 50% RH	2mm – 1 day

### APPLICATION

Where applicable, areas adjacent to the joints should be masked with masking tape to prevent contamination and to ensure a neat sealant line. The masking tape should be removed immediately after tooling.

Cut the tip of nozzle at the angle required. Apply **abe<sup>®</sup> silicone** from a caulking gun using sufficient pressure to ensure adequate contact with sides of joint. The surface of the joint may be smoothed over with a tooling spatula that has been sprayed with a mild solution of liquid soap and water to ensure good contact between the sealant and substrate.

### CLEANING

Tools should be cleaned immediately after use, before material has set with **abe<sup>®</sup> super brush cleaner** followed by washing with soap and water.

### PROTECTION ON COMPLETION

**abe<sup>®</sup> silicone** needs no protection on completion as it is UV resistant. **abe<sup>®</sup> silicone** must not be overcoated.

### APPLICATION TEMPERATURE

5 °C to 40 °C.

### MODEL SPECIFICATION

**One-component, acetoxy, multi-purpose sealant with fast cure and good weathering properties.**

The sealant will be **abe<sup>®</sup> silicone**, a one-component, multi-purpose silicone sealant applied in accordance with the recommendations of **a.b.e.<sup>®</sup> Construction Chemicals**.

### PACKAGING

**abe<sup>®</sup> silicone** is supplied in a 280 ml cartridge packed in boxes of 12.

### HANDLING AND STORAGE

This product has a shelf-life of 24 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

### HEALTH AND SAFETY

**abe<sup>®</sup> silicone**, when curing, produces acetic acid, and should not be allowed in contact with skin and eyes. Avoid inhalation of fumes. The use of gloves, eye protection and masks is advised. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought.

Cured **abe<sup>®</sup> silicone** is inert and harmless.

**IMPORTANT NOTE**

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied – accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

**FURTHER INFORMATION**

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

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