

## AS1626 (ESP585) 1 part self levelling adhesive

### Introduction

AS1626 is a fast cure 1-part RTV silicone sealant specially formulated for applications requiring a combination of good adhesion and excellent physical properties. The Oxime based cure system produces excellent physical properties and good adhesion particularly to plastics and many other substrates.

### Key Features

- Excellent flow and self levelling properties
- Translucent
- Primerless adhesion

### Use and Cure Information

#### How to Use

**AS1626** is ready for use. If supplied in cartridges it can be applied using either manual or pneumatic dispensers. It can also be applied from bulk containers using conventional drum dispensing equipment.

#### Application and Cure

All surfaces to which **AS1626** is to be applied should be clean, dry and free from grease, dirt, and loose material. Priming of surfaces is not normally required. If it is being employed as an adhesive, it should be applied to one clean surface and the other clean surface brought into contact with it within 30 to 60 seconds. The recommended thickness of the sealant joint is 1 to 3mm for optimum bond strength. Joints should be left undisturbed for at least 24 hours, but preferably longer to effect sufficient depth of cure. Full cure requires 7 days.

#### Revision date 21/10/10

Property	Test Method	Value
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#### Uncured Product

Colour:		Translucent
Appearance:		Viscous liquid
Tack Free Time:		10 minutes *
3mm Cure Through:		24 hours *
Viscosity		24000 mPas
* measured at 23+/-2°C and 65% relative humidity.		

#### Cured Elastomer

(after 7 days cure at 23+/-2°C and 65% relative humidity)

Tensile Strength:	BS903 Part A2	2.17 MPa
Elongation at Break:	BS903 Part A2	156 %
Youngs Modulus:		0.38 MPa
Modulus at 100% Strain:	BS903 Part A2	1.94 MPa
Hardness:	ASTM D 2240-95	28° Shore A
Specific Gravity:	BS 903 Part A1	1.01
Thermal Conductivity:		0.20 W/mK
Coefficient of Thermal Expansion:		
Volumetric		874 ppm / °C
Linear		291 ppm / °C
Min. Service Temperature:		-50 °C
Max. Service Temperature:	AFS 1540B	200 °C

#### Electrical Properties

Volume Resistivity:	ASTM D-257	>1E+13 Ω.cm
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#### Adhesion

AS1626 has excellent primerless adhesion to many substrates but customers are advised to carry out their own tests on clean, degreased substrates to ensure satisfactory adhesion is achieved

All values are typical and should not be accepted as a specification.

**Health and Safety** – Material Safety Data sheets available on request.

**Packages** – 310 ml cartridges. Arrangements can be made to supply in bulk containers.

**Storage and Shelf Life** – Expected to be 9 months in original, unopened containers below 40°C.

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