



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Arbosil 1096 Data Sheet

Specification notes

Product: **Arbosil 1096**

Supplier:

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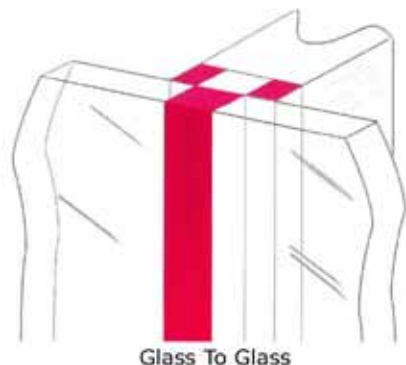
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INTRODUCTION

Arbosil 1096 is a one part Low Modulus Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form an elastic silicone rubber.

MAIN APPLICATIONS



Recommended for use in many forms of construction including glass to glass joints, curtain wall assemblies, perimeter seals on curtain walling, perimeter sealing of polyester powder coated and PVCu frames and glazing of windows in swimming pool buildings.

Approved by Pilkingtons and other major glass manufacturers for use with laminated glass.

Suitable for use as a weather seal with structural glazed assemblies

It is not recommended for overpainting, and use against natural stone.

SPECIFICATION COMPLIANCE

BS EN ISO 11600 – F/G – 25 LM

BS 5889 Type A: 1989

APPLICATION INSTRUCTIONS

Joint preparation

The joint surfaces must be clean, dry and free from all contamination. The surfaces should be degreased using the appropriate Arbo Cleaner. Primers may be required on some substrates. It is recommended that Adshead Ratcliffe Technical Services Department should be consulted and advice obtained with regard to the choice of primer for specific purposes.

Joint Backing

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth.

All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000 Part 16, the British Standard for the sealing of joints in buildings using sealants.

Application

Arbosil 1096 is supplied in polyethylene 380ml cartridges and can be applied into the joint using an Arbo Caulking Gun

Joint Size Suitability

Joint Width

Minimum 6mm

Maximum 25mm (single application); 50mm (multiple applications)

Joint Depth

Minimum 10mm on porous substrates

Minimum 6mm on non-porous substrates

Maximum 15mm

Width: Depth ratio (within above min/max restrictions)

2:1 butt joints

1:1 lap joints

PACKAGING

25 x 380ml Polyethylene Cartridges per box. Polyethylene Nozzles are included in each box.

COLOURS

White, Black, Grey, Translucent, Anthracite, Mahogany

STORAGE LIFE

12 months in original unopened packaging stored in a cool, dry place out of direct sunlight.

HEALTH AND SAFETY

Contains Oximosilanes. Please consult Material Safety Data Sheet for full information.

TECHNICAL DATA

Skin Time at 20° C/65 % RH: 10 minutes

Application Temperature: + 5° C to + 50° C

Service Temperature: - 50° C to + 150° C

Typical Shore A Hardness: 30

Cure Rate at 20° C/65 % RH: 2mm/24 hours

Chemical Resistance: Resistant to most dilute acids and alkalis. Organic solvents may cause the sealant to swell and lose adhesion

UV Resistance: Very Good

Service Life: 25 years+

Movement Accommodation: Butt joints (movement in tension and compression): 50 %. Do not to exceed ± 33 % in any one direction
Lap joints (movement in shear): 100 %. Do not to exceed ± 66 % in any one direction

ACCESSORIES**Primer**

Arbo Primer 2650 (500ml tin) Yield approximately 125 metres per tin

Arbo Primer 2402 (500ml tin) Yield approximately 200 metres per tin

Arbo Primer 2172 (500ml tin) Yield approximately 200 metres per tin

Cleaners

Arbo Cleaner No.17- 1 Litre Tin (Xylene based – not suitable for use with plastics or delicate finishes)

Arbo Cleaner No. 16 - 1 Litre Tin (Alcohol Based)

Ancillary Equipment

Polyethylene Nozzles

Arbo Caulking Guns

QUANTITY ESTIMATOR

Joint Size (mm)	Metres/Litre
6 x 6	27.8
9 x 6	18.5
12 x 9	9.3

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