



Technical Datasheet Arbosil 1070

Arbosil 1070 is a one part Low Modulus Fire Resisting Silicone Sealant which cures on exposure to moisture vapour to form a very elastic silicone rubber. Arbosil 1070 has good adhesion to concrete, brickwork, metals and many other common construction substrates.

Main Applications

Recommended for sealing expansion joints and other details in walls or screens to prevent the passage of fire. Fire resistance of 4 hours has been independently verified.
NB: Not recommended for use in floor joints.

Specification Compliance

BS EN ISO 11600 – F/G – 25 LM
BS 5889 Type A: 1989
BS 476 Part 20:1987;
Warrington Report No: 48940
Warrington Report No: 116997
Warrington Report No: 119344
Warrington Report No: 123325/A

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. mineral wool or closed cell polyethylene foam, should be used to provide the correct joint depth (*see chart for joint dimensions required for fire integrity and insulation values*).

Application

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.

Arbosil 1070 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*); *for advice on multiple applications please contact Adshead Ratcliffe Technical Services Department.*

Joint Depth

Minimum 10mm on porous substrates

Minimum 6mm on non-porous substrates

Maximum 20mm

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

Please contact Adshead Ratcliffe Technical Services Department. Generally, joints should be as narrow as possible minimize exposure to fire.

Packaging

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

Colours

Grey, Black. (*Special colours can be made to order subject to minimum batch size quantities. Please contact Adshead Ratcliffe Technical Services Department for further information.*)

Storage Life

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

Health and Safety.

No particular hazards with this product but please consult Material Safety Data Sheet for full information.

Technical Data

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

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

Service Temperature: - 50° C to + 120° C

Typical Shore Hardness: 20



Cure Rate at 20° C/65 % RH: 1mm/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 exceed ± 33 % in any one direction

Lap joints (movement in shear): 100 %. Do not exceed ± 66 % in any one direction

Accessories

Primers

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
18 x 10	5.6
25 x 10	4.0



Fire Test Results Synopsis

Joint Size (mm)	Backing Material	Integrity (minutes)	Insulation (minutes)
35 x 15	Rockwool	240	95
35 x 15	Foam Polyethylene*	156	123
10 x 10	Mineral Wool	240	30
10 x 10	Mineral Wool*	240	240
20 x 20	Mineral Wool*	240	240
35 x 15	Rockwool	240	116
35 x 15	Foam Polyethylene*	196	162

NB: * Test incorporates seals and backing material on both faces of the construction

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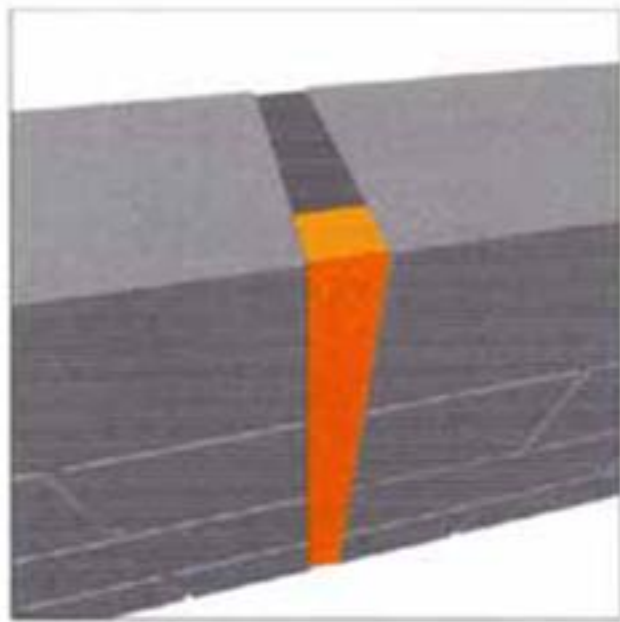
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**DESCRIPTION**

Arbosil 1071 is a one part Low Modulus Fire Resisting and Acoustic Silicone Sealant which cures on exposure to moisture vapour to form a very elastic silicone rubber. Arbosil 1071 has good adhesion to concrete, brickwork, metals and many other common construction substrates.

MAIN APPLICATIONS**High Movement Fire Seal**

Recommended for the sealing of expansion joints and other details in walls or screens to prevent the passage of fire. Recommended for use in sports stadiums where a fire seal is required. Fire resistance of 4 hours has been independently verified.

NB: Not recommended for overpainting and for use against natural stone.

SPECIFICATION COMPLIANCE

BS EN ISO 11600 – F/G – 25 LM
 BS 5889 Type A: 1989
 Fire Testing to BS 476 Part 20:1987;
 Warrington Report No: 122635
 Warrington Report No: 123325/A
 Acoustic Testing;
 AIRO Report L/2913/6
 AIRO Report L/2913/7

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. mineral wool or closed cell polyethylene foam, should be used to provide the correct joint depth (see chart for joint dimensions required for fire integrity and insulation values).

Application

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.

Arbosil 1071 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); for advice on multiple applications please contact Adshead Ratcliffe Technical Services Department.

Joint Depth

Minimum 10mm on porous substrates

Minimum 6mm on non-porous substrates

Maximum 25mm

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

Please contact Adshead Ratcliffe Technical Services Department. Generally, joints should be as narrow as possible minimize exposure to fire.

PACKAGING

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

COLOURS

White, Grey (special colour made to order subject to minimum order quantities). Please contact Adshead Ratcliffe Technical Services Department for further information.

STORAGE LIFE

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

HEALTH AND SAFETY

No particular hazards with this product but please consult Material Safety Data Sheet for full information.

**TECHNICAL DATA**

Skin Time at 20° C/65 % RH:	45 minutes
Application Temperature:	+ 5° C to + 50° C
Service Temperature:	- 50° C to + 120° C
Typical Shore Hardness:	20
Cure Rate at 20° C/65 % RH:	1mm/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 exceed ± 33 % in any one direction. Lap joints (movement in shear): 100 %. Do not exceed ± 66 % in any one direction

ACCESSORIES**Primers**

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
18 x 10	5.6
25 x 10	4.0

FIRE TEST RESULTS SYNOPSIS

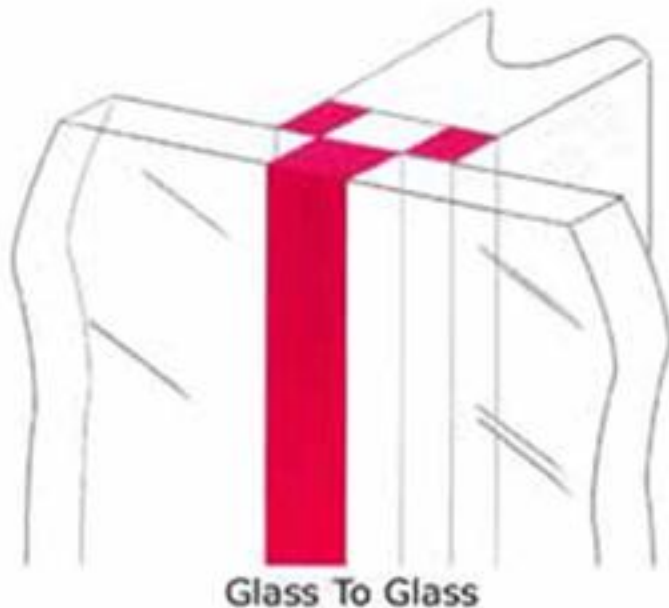
Joint Size (mm)	Backing Material	Integrity (minutes)
50 x 15	Rockwool	240
30 x 25	Foam Polyethylene*	240
15 x 10	Mineral Wool	240
20 x 20	Foam Polyethylene*	240
30 x 15	Rockwool	240
35 x 25	Foam Polyethylene*	240
10 x 10	Foam Polyethylene*	240

NB: *Test incorporates seals and backing material on both faces of the construction

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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 maybe 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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**INTRODUCTION**

A high quality general purpose intumescent sealant with a acoustic properties.

Tested in joints up to 50 mm wide and 4 hours resistance.

Arbo XL1075 is a one part Acoustic, Fire Resistant, Water Based Acrylic Sealant.

When subject to flame, Arbo XL1075 will intumesce, blocking the passage of fire and smoke.

Arbo XL1075 has good adhesion to a wide variety of common construction substrates without the need of a primer.



PPC Frame Fire Seal

MAIN APPLICATIONS

Recommended for the sealing of internal fire joints, for use in fire resistant doors and partitions. For use in blockwork and brickwork joints where low movement accommodation is required.

Recommended where sound reduction properties are required.

Fire resistance of 4 hours has been independently verified.

NB: Not recommended for use in high movement joints and for use in external joints.

SPECIFICATION COMPLIANCE

BS EN ISO 11600 – F/G – 7.5P

Fire Testing to BS 476 Part 20:1987;
Warrington Report No: 63282
Warrington Report No: 116997
Warrington Report No: 119344
Warrington Report No: 123325/A

Acoustic Testing;
AIRO Report L/2913/3
AIRO Report L/2913/4
AIRO Report L/2913/5

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. mineral wool or closed cell polyethylene foam, should be used to provide the correct joint depth (see chart for joint dimensions required for fire integrity values).

Application

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.

Joint Size Suitability**Joint Width**

Minimum 6mm

Maximum 25mm (single application); for advice on multiple applications please contact Adshead Ratcliffe Technical Services Department.

Joint Depth

Minimum 10mm on porous substrates

Minimum 6mm on non-porous substrates

Maximum 25mm

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

Please contact Adshead Ratcliffe Technical Services Department. Generally, joints should be as narrow as possible minimize exposure to fire.

PACKAGING

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

COLOURS

White, Grey,

STORAGE LIFE

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

HEALTH AND SAFETY

No particular hazards with this product but please consult Material Safety Data Sheet for full information.



ARBOSIL XL1075

TECHNICAL DATA

Skin Time at 20° C/65 % RH:	5 minutes
Application Temperature:	+ 5° C to + 40° C
Service Temperature:	- 10° C to + 70° C
Typical Shore A Hardness:	30
Cure Rate at 20° C/65 % RH:	Dependent upon sealant depth, ambient temperature and humidity.
Chemical Resistance:	Fair resistance to most dilute acids and alkalis. Poor resistance to organic solvents
UV Resistance:	Not Applicable
Service Life:	15 years+
Paintability:	Paintable with water based paints 3 hours after application. Paintable with gloss paints 12 hours after application
Butt joints (movement in tension and compression):	10 %.
Lap joints (movement in shear):	20 %.

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Arbo sealants are manufactured in the U.K. by Adshead Ratcliffe.

ACCESSORIES

Primers

Arbo Primer 2650 (500ml tin). Yield approximately 125 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
18 x 10	5.6
25 x 10	4.0

FIRE TEST RESULTS SYNOPSIS

Joint Size (mm)	Backing Material	Integrity (minutes)
15 x 10	Foam Polyethylene	240
15 x 20	Foam Polyethylene	240
30 x 12	Rockwool	240
30 x 12	Foam Polyethylene*	240
35 x 12	Rockwool	240
50 x 25	Foam Polyethylene	240



INTRODUCTION

Arbosil XL1099 is a Non-Staining one part Low Modulus Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form an elastic silicone rubber.

MAIN APPLICATIONS



Arbosil XL1099

Specifically designed for use against Marble, Granite, Pre Cast Concrete and other sensitive natural or man made substrates where other sealants may cause staining problems.

Also recommended for sealing perimeter floor joints, PVCu and Aluminium window frames and many other common construction applications.

It is not recommended for overpainting, or for use in floor joints over 6 mm wide.

NB: Adhesion and/or compatibility testing may be required on certain substrates, please contact Adsheed Ratcliffe Technical Service Department for further information.

NB: Not recommended for overpainting and use with laminated glass.

SPECIFICATION COMPLIANCE

BS EN ISO 11600 – F/G – 20 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 Adsheed 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 XL1099 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, Anthracite, Limestone, Buff, Portland, Rustic Red, Terracotta (*Special colours can be made to order subject to minimum batch size quantities. Please contact Adsheed Ratcliffe Technical Services Department for further information.*)

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: 8 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 exceed ± 33 % in any one direction

Lap joints (movement in shear): 100 %. Do not exceed ± 66 % in any one direction

**ACCESSORIES****Primers**

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
18 x 10	5.6
25 x 10	4.0

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