



# ARBOKOL 1025 SECURE

## DESCRIPTION

Arbokol 1025 Secure is a unique two part Epoxy sealant which cures to form a hard wearing seal, designed to accommodate small amounts of movement in extension but considerable movement in compression.

Recommended for use in a variety of internal stress relief joint systems where a tough, non pick seal is required.

## MAIN APPLICATIONS



Prisons – perimeter sealing of cell doors and windows, Prisons – sealing of fixings and sanitary ware, anti pick/anti vandalism joints, heavy duty floor joints, tile to tile joints (no primer required), shower rooms.

**NB.** Not recommended for structural joints

## PACKAGING

1.2 Litre Set, with separate tins for Base and Curing Agent  
Follower plate

## COLOURS

Off White, Grey.

## APPLICATION INSTRUCTIONS

### Joint Preparation

The joint surfaces must be clean and free from all contamination. Surfaces should be degreased using the appropriate surface cleaner (contact Adshead Ratcliffe Technical Service Department for further information)

### Mixing

The ratio of base: curing agent controls the performance properties of Arbokol 1025 SP and tins are filled off to an exact mixing ratio. It is vital therefore that the whole contents of the Curing Agent tin are added to the base tin. The 2 components must be thoroughly mixed to ensure complete homogeneity. (Spiral "pig tail" mixing equipment is recommended)

### Application

The usual application method once mixed is to fill the sealant into empty cartridge dispensers using the follower tin supplied with the pack. The cartridge is then placed over the hole in the centre of the plate. Applying steady downward pressure will then fill the cartridge. Insert plunger into the cartridge and the mixed sealant is then ready for application using an Arbo Caulking Gun. The sealant should be extruded firmly into the joint by maintaining an even pressure on the trigger of the gun.

### 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 and sealant application should be carried out in accordance with BS8000 Part 16 (British standard for the sealing of joints in buildings)

## JOINT SIZE SUITABILITY

### Joint Width

Minimum 6mm

Maximum 20mm (single application)

### Joint Depth

Minimum 10mm on porous substrates

Minimum 6mm on non porous substrates

Maximum 10mm

### Width: Depth Ratio

Contact Adshead Ratcliffe Technical Service Department

## HEALTH AND SAFETY

Base component is Polyamide based and Curing agent contains Epoxy Resin. Both components require careful handling. Please consult MSDS's for each component before use.

## TECHNICAL DATA

Typical Shore D Hardness (cured at 20° C):	60 – 70
Work Life (Typical at 20° C):	45 minutes
Application Temperature:	+10° C to +40° C
Service Temperature:	-20° C to +90° C
Cure Rate (at 20° C):	48 hours. At lower temperatures cure rate will be extended
Chemical Resistance:	Resistant to most alkalis and dilute acids, petrol, diesel, jet fuel.
Service Life:	20 years +
Movement Accommodation:	Tension 5% Compression 50 %

## ACCESSORIES

### Cleaners

Arbo Cleaner Type 17 - 1 litre Tin

(Xylene based – not suitable for use with plastics or delicate finishes)

Arbo Cleaner 16 – 1 Litre Tin

Alcohol Based)

## EQUIPMENT

Bulk Loading Guns

Heavy Duty Follower Plates



# ARBOKOL 1025 SECURE

## QUANTITY ESTIMATOR

<i>Joint Size (mm)</i>	<i>Metres /1.2 Litre</i>
6 x 6	33.3
9 x 6	23
12 x 9	11
20 x 10	6

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





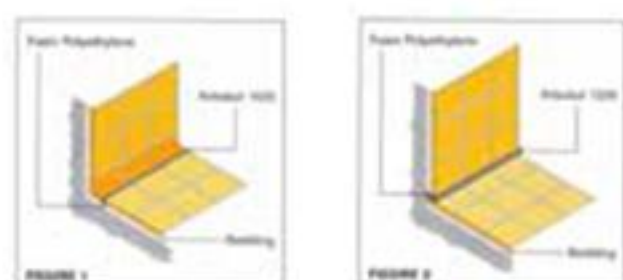
# ARBOKOL 1025 SWIMMING POOL GRADE

## DESCRIPTION

Arbokol 1025 SP is a unique two part Epoxy sealant which cures to form a hard wearing seal, designed to accommodate small amounts of movement in extension but considerable movement in compression.

Recommended for use in a variety of internal stress relief joint systems where continual water resistance and a high degree of chemical resistance (especially to common cleaning substances) are required.

## MAIN APPLICATIONS



Swimming pools, compression joints, tile to tile joints (no primer required), long term water immersed joints, shower rooms.

**NB.** Not recommended for structural joints

## PACKAGING

1.2 Litre Set, with separate tins for Base and Curing Agent  
Follower plate

## COLOURS

Off White, Grey

## APPLICATION INSTRUCTIONS

### Joint Preparation

The joint surfaces must be clean and free from all contamination. Surfaces should be degreased using the appropriate surface cleaner (contact Adshead Ratcliffe Technical Service Department for further information).

### Mixing

The ratio of base to curing agent controls the performance properties of Arbokol 1025 SP and tins are filled off to an exact mixing ratio. It is vital therefore that the whole contents of the curing agent tin are added to the base tin. The 2 components must be thoroughly mixed to ensure complete homogeneity (Spiral "pig tail" mixing equipment is recommended).

### Application

The usual application method once mixed is to fill the sealant into empty cartridge dispensers using the follower tin supplied with the pack. The cartridge is placed over the hole in the centre of the plate and filled by applying steady downward pressure. Insert the plunger into the cartridge and the mixed sealant is then ready for application using an Arbo Caulking Gun. The sealant should be extruded firmly into the joint by maintaining an even pressure on the trigger of the gun.

### 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 and sealant application should be carried out in accordance with BS8000 Part 16 (British standard for the sealing of joints in buildings)

### Joint Size Suitability

Joint Width  
Minimum 6mm  
Maximum 20mm (single application)

### Joint Depth

Minimum 10mm on porous substrates  
Minimum 6mm on non porous substrates  
Maximum 10mm

### Width: Depth Ratio

Contact Adshead Ratcliffe Technical Service Department

## HEALTH AND SAFETY

Base component is Polyamide based and curing agent contains Epoxy resin. Both components require careful handling. Please consult MSDS's for each component before use.

## TECHNICAL DATA

Typical Shore D Hardness	
(cured at 20° C):	60 – 70
Work Life (Typical at 20° C):	45 minutes
Application Temperature:	+10° C to + 40° C
Service Temperature:	-20° C to +90° C
Cure Rate (at 20° C):	48 hours. At lower temperatures cure rate will be extended.
Chemical Resistance:	Resistant to most alkalis and dilute acids, petrol, diesel, jet fuel. Resistant to most cleaning chemicals used in swimming pool situations (neat Hypochlorite crystals should not be applied to 1025 SP).
Service Life:	20 years + in non critical applications. Use in swimming pools will lower this figure (depending upon application performance required).
Movement Accommodation:	Tension 5% Compression 50 %

## ACCESSORIES

### Cleaners

Arbo Cleaner 17 - 1 litre Tin  
(Xylene based – not suitable for use with plastics or delicate finishes)

Arbo Cleaner 16 – 1 Litre Tin  
(Alcohol Based)





# ARBOKOL 1025 SWIMMING POOL GRADE

## EQUIPMENT

Bulk Loading Guns  
Heavy Duty Follower Plates

## QUANTITY ESTIMATOR

<i>Joint Size (mm)</i>	<i>Metres/ 1.2 litre set</i>
6 x 6	33.3
9 x 6	23
12 x 9	11
20 x 10	6

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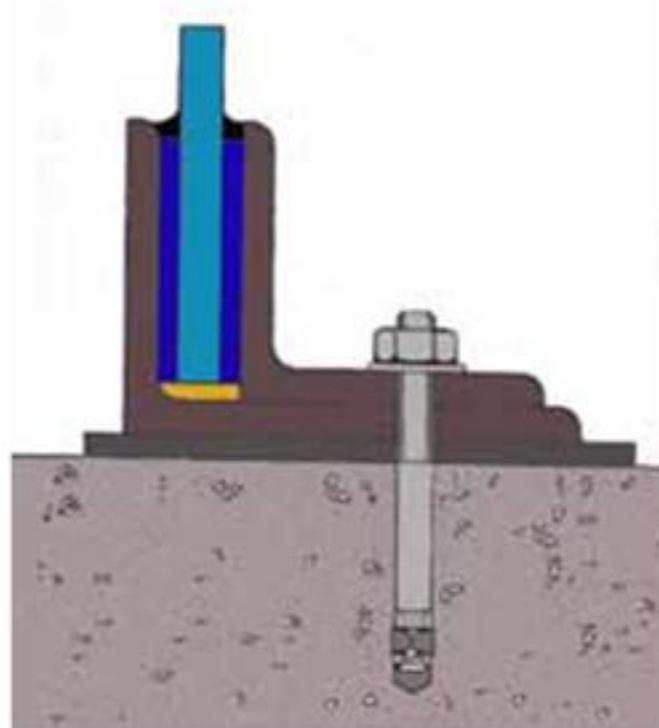


## ARBOKOL 682 GUN GRADE FOR BALUSTRADE INSTALLATION

### DESCRIPTION

Arbokol 682 Gun Grade is a Two-Part Epoxy Polysulphide Sealant, which when the components are mixed together, cures to form an extremely tough sealant with a small degree of movement accommodation. Arbokol 682 Gun Grade is a thixotropic formulation and is suitable for all types of installations of glass balustrade where a sealant is required.

The product has good adhesion to glass, concrete, stone, metals and many other common building substrates.



Arbokol 682

Setting Block

Arbosil 1096

### MAIN APPLICATIONS

Installation of Glass Balustrades as recommended in BS 6180:1999

Arbokol 682 gun grade can be used as a secondary seal for ig units contact technical department arbo @arbo .co.uk.

### 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.

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.

Also see BS6180:1999 for balustrades

#### Mixing

The ratio of base: curing agent controls the performance properties of Arbokol 682 Gun Grade and tins are filled off to an exact mixing ratio. It is vital therefore that the whole contents of the Curing Agent tin

are added to the Base tin. The two components must be thoroughly mixed to ensure complete homogeneity.

#### Application

The usual application method once mixed the sealant is transferred to cartridges or bulk loading gun by means of a follower plate.

### GLASS BALUSTRADE INSTALLATION PROCEDURE

1. Insert setting blocks at the bottom of the channel.
2. Apply Arbokol 682 Gun Grade to partially fill the void the channel.
3. Insert the glass and locate it on the setting blocks.
4. Insert hardwood packers either side of the glass. The packers are usually in the form of back to back wedges to centralise the glass. It is important to ensure that a gap is left between the adjacent glass panels to avoid shock transfer.
5. Top up any voids with further application of Arbokol 682
6. For external balustrades Arbokol 682 Gun Grade should be recessed at least 5mm below the sight line and be capped with Arbosil 1096 to form a chamfered weather seal.

### QUANTITY

Guide lines for glass balustrade installation.

For average sized balustrades it is estimated that one litre will fill one metre run of section.

For accurate quantities we recommend you carry out a site trial.

### PACKAGING

1.2 Litre Set, with separate tins for Base and Curing Agent.

### COLOURS

Grey

### STORAGE LIFE

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

### HEALTH AND SAFETY

Base component is Polysulphide based and Curing Agent contains Epoxy resin. Both components require careful handling. Please consult MSDS's for each component before use.





## ARBOKOL 682 GUN GRADE FOR BALUSTRADE INSTALLATION

### TECHNICAL DATA

Work Life (Typical at 20° C):	1½ - 2 hours
Application Temperature:	+ 5° C to + 40° C
Service Temperature:	- 15° C to + 70° C
Typical Shore A Hardness (cured at 20° C):	95
Typical Shore D Hardness (cured at 20° C):	50
Cure Rate at 20° C/65 % RH:	48 hours. At lower temperatures cure rate will be slowed down.
Chemical Resistance:	Resistant to most dilute acids and alkalis, petrol, diesel, jet fuel, vegetable oils and many common solvents.
UV Resistance:	Very Good
Service Life:	20 years
Movement Accommodation:	Butt joints (movement in tension and compression): 5 %.
Force @ Break (7 days cure, tests on a 12 x 12 x 50mm joint):	4500N

### ACCESSORIES

#### **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**

Cartridge Dispensers

Plungers

Polyethylene Nozzles

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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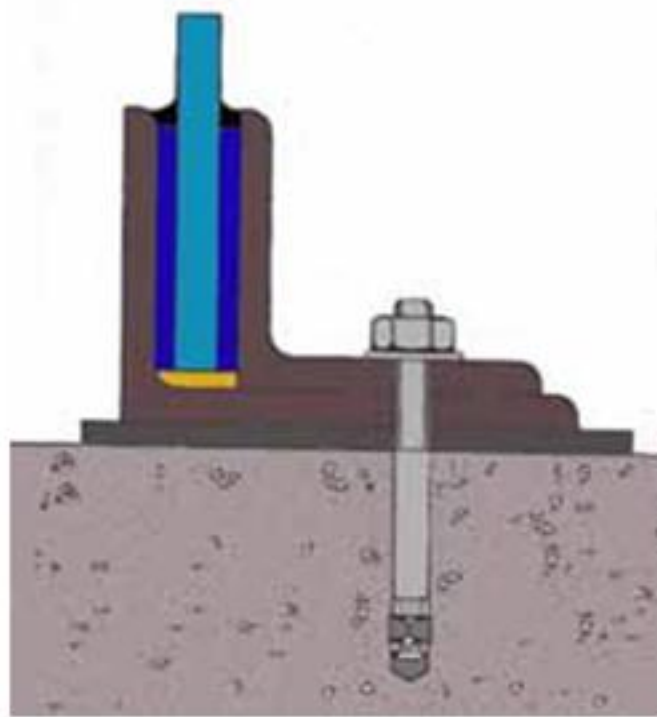


# ARBOKOL 682

## POURING GRADE FOR BALUSTRADE INSTALLATION

### DESCRIPTION

Arbokol 682 Pouring Grade is a Two-Part Epoxy Polysulphide Sealant, which when the components are mixed together, cures to form an extremely tough sealant with a small degree of movement accommodation. Arbokol 682 Pouring Grade has a self levelling formulation for quick and easy of use. The product has good adhesion to glass, concrete, stone, metals and many other common building substrates.



### MAIN APPLICATIONS

#### Joint Preparation

The joint surfaces must be clean, dry and free from all contamination. The surfaces should be degreased using the appropriate Arbo Cleaner.

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. Also see BS6180:1999 for balustrades

#### Mixing

The ratio of base: curing agent controls the performance properties of Arbokol 682 Pouring Grade and tins are filled off to an exact mixing ratio. It is vital therefore that the whole contents of the Curing Agent tin are added to the Base tin. The two components must be thoroughly mixed to ensure complete homogeneity.

#### Application

The usual application method once mixed is to create a lip on the tin and pour directly into the channel to be filled. Other application measures such as the use of empty cartridge dispensers and hand barrel guns are suitable.

### GLASS BALUSTRADE INSTALLATION PROCEDURE

1. Insert setting blocks at the bottom of the channel.
2. Ensure all exit points are sealed using either Arbokol 682 Gun Grade or over size Polyethylene foam to prevent run out.
3. Insert the glass and locate it on the setting blocks.
4. Insert hardwood packers either side of the glass firmly within the centre of the channel. The packers are usually in the form of back to back wedges on both sides of the glass to centralise the glass. It is important to ensure that a gap is left between the adjacent glass panels to avoid shock transfer.
5. Apply Arbokol 682 Pouring Grade and allow the channel to fill ensuring that the void between the glass and channel is completely filled.
6. For external balustrades Arbokol 682 Pouring Grade should be recessed at least 5mm below the sight line and be capped with Arbosil 1096 to form a chamfered weather seal.

**NB** Ensure Arbokol 682 Pouring Grade is protected during curing from rain or other water contact. Primer may be required on some substrates for Arbosil 1096 to achieve a satisfactory bond.

### QUANTITY

Guide lines for glass balustrade installation.

For average sized balustrades it is estimated that one litre will fill one metre run of section.

For accurate quantities we recommend you carry a site trial.

### PACKAGING

1.2 Litre Set, with separate tins for Base and Curing Agent.

### COLOURS

Grey

### STORAGE LIFE

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

### HEALTH AND SAFETY

Base component is Polysulphide based and Curing Agent contains Epoxy resin. Both components require careful handling. Please consult MSDS's for each component before use.





# ARBOKOL 682

## POURING GRADE FOR BALUSTRADE INSTALLATION

### TECHNICAL DATA

Work Life (Typical at 20° C):	1½ - 2 hours
Application Temperature:	+ 5° C to + 40° C
Service Temperature:	- 15° C to + 70° C
Typical Shore A Hardness (cured at 20° C):	95
Typical Shore D Hardness (cured at 20° C):	50
Cure Rate at 20° C/65 % RH:	7 days. At lower temperatures cure rate will be slowed down.
Chemical Resistance:	Resistant to most dilute acids and alkalis, petrol, diesel, jet fuel, vegetable oils and many common solvents.
UV Resistance:	Very Good
Service Life:	20 years
Movement Accommodation:	Butt joints (movement in tension and compression): 5 %.
Force @ Break (7 days cure, tests on a 12 x 12 x 50mm joint):	2500N

### ACCESSORIES

#### **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**

Cartridge Dispensers

Plungers

Polyethylene Nozzles

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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## Technical Datasheet Arbokol 2150

Arbokol 2150 is a very high polymer content, two part Polysulphide Sealant which cures once the two components are mixed together to give a hard wearing but flexible seal. Arbokol 2150 has good adhesion to concrete, stone, many metals, and many other common construction substrates

### **Main Applications**

Recommended for floor joints in flat roofs, heavily trafficked floor joints, concrete slab constructions, water retaining (non drinking water) and sewerage structures where bio degradation resistance is required.

Can be used for joints requiring chemical resistance (*Please contact Adshead Ratcliffe Technical Services Department for further information*).

*Not recommended for joints subject to large and frequent movement or for use with potable water.*

### **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.

#### *Mixing*

The base and curing agent ratio controls the adhesion, strength and durability of Arbokol 2150. The whole contents of the curing agent pack must therefore be added to the base and the components thoroughly mixed.

#### *Application*

The normal method of application is to fill the mixed sealant into Arbo Barrel Guns using a heavy duty follower plate. The cartridge is then placed over the hole in the centre of the plate. Applying steady downward pressure will then fill the cartridge. Insert plunger into the cartridge and the mixed sealant is then ready for application using an Arbo Caulking Gun. The sealant should be extruded firmly into the joint by maintaining an even pressure on the trigger of the gun.

#### *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.





### **Joint Size Suitability**

#### *Joint Width*

Minimum 6mm

Maximum 25mm (larger joints are possible please contact Adshead Ratcliffe Technical Service for information)

#### *Joint Depth*

Minimum 12mm on porous substrates (*12 mm in floor joints*)

Minimum 6mm on non porous substrates (*12 mm in floor joints*)

Maximum 25mm

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

2:1 butt joints

1:1 lap/floor joints

### **Packaging**

2 Litre pack (includes base and curing agent)

### **Colours**

Black, Grey

### **Storage Life**

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

### **Health and Safety.**

Contains Manganese Dioxide. Please consult Material Safety Data Sheets for full information.

### **Technical Data**

Work Life at 20° C: 1 - 1½ hours (other times may be possible please consult Adshead Ratcliffe for further information)

Application Temperature: + 5° C to + 40° C

Service Temperature: - 50° C to + 80° C

Typical Shore Hardness: 50

Cure Rate at 20° C/65 % RH: 7 days at 20 C in a typical joint. At lower temperatures cure rate will be slower.





Chemical Resistance: Resistant to most dilute acids and alkalis, petrol, diesel, jet fuel and many solvents and vegetable oils.

UV Resistance: Very Good

Service Life: 20 years+ (when used in trafficked areas, sewerage works and other special environments, service life may be reduced).

Movement Accommodation:

Butt joints (movement in tension and compression): 20 %.

Lap Joints (movement in shear): 40 %

### **Accessories**

#### *Primers*

Arbo AG2 Porous Primer (500ml tin) Yield approximately 125 metres per tin

Arbo Primer 7781 (500ml tin) Yield approximately 200 metres per tin

Arbo Primer 925 (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*

Bulk Loading Guns

Heavy Duty Follower Plates

### **Quantity Estimator**

Joint Size (mm)	Metres/Litre
6 x 6	27.8
9 x 6	18.5
12 x 9	9.3
18 x 18	3.0
25 x 25	1.6

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