



## Technical Datasheet Arbokol Secure

Arbokol 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, Custody Suites, Mental Hospitals and other Secure Environments. Perimeter sealing of cell doors and windows, 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 or swimming pools**

### **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 Secure 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, use 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.

Not resistant to long term chlorine immersion.

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

**Quantity Estimator**

Joint Size (mm)	Metres per 1.2 Litre Set
6 x 6	33.3
9 x 6	23
12 x 9	11
20 x 10	6

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