



Technical Datasheet Arbokol AG2 Gun Grade

Arbokol AG2 is a two part Polysulphide Sealant which cures once the two components are mixed together to give a flexible rubber seal. It has good adhesion to concrete, stone, metals and many other common building substrates.

Main Applications

Recommended for sealing structural floor joints, parapet wall joints, concrete roadways and pavements, hard standing floor pads, joints in metal and concrete sea walls and joints in water retaining (non drinking water) structures.

For very heavily trafficked floor joints it is recommended that the level of Arbokol AG2 is recessed. Please contact Adshead Ratcliffe Technical Services Department for further information.

Not recommended for use with potable water.

Caution: For joints in sports stadiums please contact Adshead Ratcliffe Technical Services Department for further information.

Specification Compliances

BS EN ISO 11600 F 25 LM
BS 4254:1983

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 AG2. The components must therefore be 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.

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 Backing

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

Joint Size Suitability

Joint Width

Minimum 6mm

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

Joint Depth

Minimum 10mm on porous substrates (12mm in floor joints)

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

Maximum 25mm

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

2:1 butt joints

1:1 floor joints

Packaging

2.5 Litre pack (includes base and curing agent)

Colours

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: - 40° C to + 80° C

Typical Shore Hardness: 25

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: Good

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

Movement Accommodation:

Butt joints (movement in tension and compression): 30 %.

Lap Joints (movement in shear): 50 %

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

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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