



Technical Datasheet Arbothane 1245

Arbothane 1245 is a one part Polyurethane Sealant which cures on exposure to moisture vapour to form a tough but flexible rubber. Arbothane 1245 has good adhesion to concrete, brickwork, metals and many other common construction substrates.

Main Applications

Recommended for use in floor joints, expansion joints and structural cladding applications.

NB: Not recommended for use against natural stone.

Specification Compliance

BS EN ISO 11600 – F – 25 HM

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.

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.

Arbothane 1245 is supplied in 600ml foil packs and can be applied into the joint using an Arbo Foil Pack 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

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1/3

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

2:1 butt joints

1:1 lap joints

Packaging

20 x 600ml Foils per box. Polyethylene Nozzles are included in each box.

Colours

Grey.

Storage Life

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

Health and Safety.

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

Technical Data

Skin Time at 20° C/65 % RH: 90 minutes

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

Service Temperature: - 30° C to + 110° C

Typical Shore Hardness: 45

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

Chemical Resistance: Moderate resistance to most dilute acids and alkalis.

Organic solvents may cause the sealant to swell and lose adhesion.

UV Resistance: Very Good

Service Life: 15 years+

Movement Accommodation:

Butt joints (movement in tension and compression): 35 %.

Lap joints (movement in shear): 70 %.

Accessories

Primers

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

Arbo Primer 7750 (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

Arbo Foil Pack Gun

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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