W110

BUTYL ALUMINIUM ACOUSTIC WRAP

TECHNICAL SHEET NO: TDS01916 24/04/2024

SMART ADVANTAGES

- Acoustic tested to BS EN ISO 10140-2
- Fire tested
- Self-adhesive, meaning quick & easy application

DESCRIPTION

Bostik W110 Acoustic Wrap is a self-adhesive membrane supplied on a compact and lightweight roll. It's designed for use on plastic rainwater & soil pipes where temperatures do not exceed +90°C. It adheres to many common building materials such as PVC & steelwork.

Bostik W110 is supplied ready to use and does not require time to cure or dry and forms an instant bond around pipework. The butyl adhesive is moisture resistant. It is very thin and can be used in tight applications ensuring less room is taken up on site.

No extra banding is required saving installation time and materials on site. It is independently fire and acoustic tested to ensure highest product performance.

Bostik W110 consists of an acoustic layer laminated between two layers of high-performance pressure sensitive butyl and finished with an aluminium face. The compact and lightweight roll is easy and safe to move around site.

TECHNICAL CHARACTERISTICS	
Colour	Aluminium finish
Composition	Aluminium film / butyl adhesive / PP foam / butyl adhesive
Standard thickness	4.5mm ± 20%
Weight per m²	2.5kg approx.
Application temperature	+5°C to +40°C
Service temperature	-30°C to +90°C (depending on operating conditions)
Fire tests	Independently tested to EN ISO 11925-2 Reaction to fire classification according to EN 13501-1: E / E_{FL} / E_L ISO 11925-2 test was performed with the W110 applied onto 25-micron aluminium foil with the edges sealed with 50mm T303 Self-Adhesive Aluminium Foil Tape. Edges must be sealed to obtain the class E rating Independently tested to BS476 - Part 7: Class 1

Adhesive solutions by ARKEMA

	BS476 – Part 7 test was performed with product applied to 3mm PVC sheeting. Results may vary when applied onto other substrates. Edges must be sealed with T303 Self-Adhesive Aluminium Foil Tape to obtain this rating
Acoustic performance	Independently tested in accordance with BS EN ISO 10140-2. Weighted sound reduction index (R_W) and spectrum adaption terms (C and C_{tr}) were derived in accordance with BS EN ISO 717 R_W (C;C_{tr}) = 25 dB when applied to 3mm PVC sheeting. Results will vary when applied onto other substrates

APPLICATION

IMPORTANT: Before using Bostik W110 Acoustic Wrap, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

PREPARATION

- The surface to be bonded must be clean, dry and free from dust, grease and loose materials.

APPLICATION

- Unwind the roll and cut a piece to the size required to wrap around the pipe, ensure a minimum 25mm overlap. Start to peel off the protective liner taking care not to touch the adhesive surface. Align the wrap over surface and attach to the surface. While removing the protective liner progressively pull the wrap taut and then press down well over the entire surface.
- To avoid air bubbles, carry out roll-pressing to achieve a good adhesive bond. Ensure that the overlap is well adhered.
- Use Bostik T303 Self-Adhesive Aluminium Foil Tape to seal all the joints.

STORAGE

- Store for up to 2 years from date of manufacture in original, unopened packaging in cool, dry conditions within the temperature range +5°C to +30°C and out of direct sunlight. Protect from frost. Storage above +50°C may lead to difficulties in removing the release liner when applying.

PRECAUTIONS IN USE

The person carrying out the building work should arrange for sound insulation testing to be carried out by a test body with appropriate third-party accreditation. Approved Document E, sections 2, 3, 4 and 6 give examples of constructions which if built correctly should achieve the sound insulation values for dwelling houses and flats. The guidance in these sections is not exhaustive and other designs, materials or products may be used to achieve the required performance.

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik W110 Acoustic Wrap, available at www.bostik.com/uk.

PACKAGING

Product codes	30623322	Rolls of 4.5m x 50cm

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Sales	Tel: 0844 371 1192	customer.service@bostik.com
Technical Advice	Tel: 0844 371 1197	technical.service@bostik.com
Safety Data Sheets	Tel: 01785 272625	sds.box-eu@bostik.com

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Bostik Ltd
Common Road,
Stafford, ST16 3EH, UK
Phone: +44 (0)1785 272625
www.bostik.com/uk

BOSTIK HOTLINE

Smart help +44 (0)1785 272625

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