

TECHNICAL DATA SHEET

CHARACTERISTICS

Siloxa Expanding Foam Tape BGI Anthracite has a unique combination of resilient foam and water-resistant binder, this is a soft, open cell polyurethane foam, impregnated with acrylic based synthetic resins, pre-compressed with a self-adhesive side. It is used to resist weather ingress for windows and other construction applications.

APPLICATIONS

- Weather tight against wind-driven rain.
- Breathable for vapour diffusion.
- Acoustic and thermal insulation.
- Fire retardant.
- Easy and fast installation in all conditions.
- Externally supervised and approved by MPA & BBA

PERFORMANCES

- Watertight seal for driving rain at 600 Pa
- Meets the requirements of BGI • Fire resistance: BI • Acoustic insulation, $R_s, w = 44$ Db

Used as sealing in construction joints:

- Windows and doors.
- Facade joint.
- Timber frame buildings and log homes.
- Sandwich panels.
- Installation of skylights or solar panels.
- Conservatories.
- Portable or sectional buildings.
- Cladding panels and curtain walling

TECHNICAL DATA

Material description	Polyurethane foam impregnated with acrylic resin
Impermeable to driving rain	BGI (>600 Pa) DIN 18542
Airtightness	BGI DIN 18542
Permeability to water vapor	$\mu < 10$ EN ISO 12572
Thermal conductivity	0,046 W/m.k ISO 8302
Sound reduction	$R_{s,w} = 44$ dB EN ISO 717-1
Compatibility with chemicals	Resistant to diluted acids, bases and alkalis
Fire classification	BI Fire resistant DIN 4102
Service temperature	-40°C to +100°C
VOC Emissions	Low emission
Shelf life	2 years
Storage temperature	In original packaging between +1°C and +25°C in dry conditions

INSTALLATION

- Tape selection should be based on the joint depth and the gap to be filled.
- The width of the tape must be less than the depth of the joint.
- The size of tape used must be driven by the dimensions of the joint

COMPATIBILITY WITH CONSTRUCTION MATERIALS:

- Wood, PVC, aluminium, steel
- Traditional masonry
- Rigid thermal insulation

PRECAUTIONS:

- Do not use If standing water is likely to occur.
- Do not use If there is contact with solvents or aggressive chemicals products.

Expanding time:

The expansion rate depends of the temperature; at low temperature a gentle application of heat will increase the rate; at high temperature, tapes should be stored in a cool place prior to use.

Application temperature:

From +5°C TECHNICAL DATA INSTALLATION C

HOW TO INSTALL

APPLICATION INSTRUCTIONS

- Joints must be clean and free from debris, dirt and mortar residue, which is likely to prevent adhesion.
- The inner surfaces of the joints should be as smooth as possible.
- Masonry changes at mortar joints must be as small as possible to achieve a perfect seal.

GENERAL:

- Insert scissors or shears under the outer layers of paper and cut the protective wrapping.
- Do not unroll all of the tape at once as expansion can make insertion into the joint difficult.
- Peel back the release paper and position the product into the gap.
- Cut off the first and the last CM of the roll.
- Use a CLIP to keep the roll compressed.

APPLICATION

- The adhesive side is used to locate the tape in the required position.
- The tape should be placed in the joint with at least 2 mm from the edge, between two flat and parallel surfaces.
- Attention must be taken not to stretch the tape.
- At the corners, a small excess of tape is needed to ensure a good seal.

PLEASE NOTE

CONNECTIONS:

- Additional 10 mm per metre is needed when cutting the tape length.
- Corners and intersections should be made by linking two sections in a compressed butt joint.
- Cut the tape with square ends, oversize the lengths for a tight and compressed joint.

PAINTING & FINISHING:

- The tapes can generally be used with most common building materials and sealants.
- Test the compatibility of all painting and finishing compounds with each product.

NOTE:

Please take into consideration that these instructions are meant as a guide only. We advise that the user tests the specific application.

Important Note

Information regarding the product range offered by Siloxa Building Chemicals is based upon reports and information which we believe to be reliable although such information does not constitute a warranty or guarantee.

Because of the diversity of all the product applications the buyer should carefully consider the suitability and performance of the product for each intended use and the buyer shall be responsible for all associated risks. The seller is not liable for damages either incidental or consequential.

All specifications are subject to change without prior notice.

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