

## Technical Data Sheet

# ME481

## B-s2, d0 Butyl Façade Sealing Membrane (SA)

### Air, Vapour & Watertight Self Adhesive Membrane

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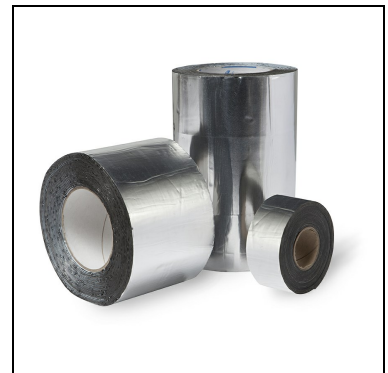
#### Description

B-s2, d0 Butyl Façade Sealing Membrane (SA) is a Class B, permanently UV resistant, high strength butyl, airtight and fully watertight membrane used as a perimeter membrane seal to the internal or external side of glazed units such as windows and doors. It is specifically designed for use at low thresholds where a risk of standing or ponded water exists. When correctly installed, it provides an air and fully watertight seal over the construction joint. It can also be used to seal and protect horizontal and vertical linear joints between sheathing boards and the main structure.

B-s2, d0 Butyl Façade Sealing Membrane (SA) meets the fire performance requirements for membranes installed on "relevant and higher risk" building types as defined in Approved Document B of the Building Regulations for England and Wales.

It is available in 20 m rolls with a range widths from 100 mm to 300 mm wide and when installed over compatible substrates with a minimum Class A2-s1, d0 fire performance provides a Class B-s2, d0 fire performance in accordance with EN 13501-1.

B-s2, d0 Butyl Façade Sealing Membrane (SA) is a water, air and vapour tight membrane.



#### Features and Benefits

- Class B-s2, d0 to EN 13501-1
- Good resistance to UV from the Aluminium foil
- Good adhesion properties at low temperatures
- The butyl layer remains flexible to accommodate movement
- Vapour resistance, water and air tight
- Bonds to the majority of common substrate types
- Self-sealing when punctured by small fixings
- Self-adhesive and easy to install with a removable liner
- Non-staining

#### Packaging

Available in the below size (Roll Width (mm) x Roll Length (m)). All items are supplied in a single unit.

100 x 20  
150 x 20  
200 x 20  
250 x 20  
300 x 20

#### Available Colour

Silver/grey

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### Technical Characteristics

Grammage		1,000 to 1,200 g/m <sup>2</sup>
Thickness		Nominal 1.5 mm
Fire Classification	EN 13501-1	Class B-s2, d0 when installed directly to building products with fire Classification A1 or A2-s1, d0 a density $\geq 525$ kg/m <sup>3</sup> .
Resistance To Water Penetration	EN 1928 (EN 13984)	Pass at 24 and 72 hours
Driving Rain Resistance	EN 1027	$\geq 600$ Pa
Air Permeability	EN 1026	$\leq 0.1$ m <sup>3</sup> /m <sup>2</sup> .h@50 Pa
Peel Strength	ASTM D903	$\geq 0.30$ N/mm
UV Resistance		Exposed - 12 months Covered - Permanent (including open joints max. 50 mm)
Application Temperature		+5°C to +35°C
Flexural Behaviour In Cold Conditions		-30°C
Service Temperature		-20°C to +80°C
Storage		Rolls must be stored lying flat and level ,in shaded dry conditions between +5°C and 25°C, away from direct exposure to weather. Avoid stacking pallets.
Shelf Life		12 months when stored as recommended in original unopened packaging.

### Necessary Tools

Tape measure, cutting shears and seam roller.

### Preparation

Ensure surfaces are clean, dry, free from oil, grease, dust, debris and any other contaminants that may affect adhesion. To maximise the adhesive bond we recommend priming the substrate with a compatible illbruck primer (illbruck ME901).

### Application

B-s2, d0 Butyl Facade Sealing Membrane (SA) is applied in accordance with illbruck best practice, specification guidance and method statements. For a detailed step by step guidance on applying B-s2, d0 Butyl Facade Sealing Membrane (SA) as an internal or external perimeter membrane seal, please refer to the relevant installation guide, available on Tremco CPG UK website.

A minimum 20 mm clear bonding zone is required to both the frame and substrate. Remove the backing liner and bond the membrane to the window/door frame first then consolidate the bond using a stout seam roller once the membrane is in place. Once in place repeat this process to bond the membrane back to the wall substrate.

When installed around windows or doors, B-s2, d0 Butyl Facade Sealing Membrane (SA) is applied to all four sides of the glazed frame with the application starting at the sill, followed by the jambs, and finishing with the head. All membrane overlaps must be a minimum 100 mm and formed in a downwards direction to provide a robust seal.

When applying at low thresholds as part of a hybrid detail or where the membrane interfaces with a third-party material such as sealants, hot melt, torch-down or cold applied liquid waterproofing membrane, the compatibility and method of application

## Technical Data Sheet

**ME481****B-s2, d0 Butyl Façade Sealing Membrane (SA)**

should be confirmed by consulting with Tremco CPG UK technical department.

At any door sills or low thresholds (such as balconies) where it has been assessed that there is a risk of standing water or long-term submersion of the membrane, please consult with Tremco CPG UK technical department.

When applying B-s2, d0 Butyl Façade Sealing Membrane (SA) with an illbruck FR Breather Membrane full façade membrane or AVCL, the window application should be completed first, followed by the façade application. The breather membrane or AVCL should form an overlap which is sealed to the B-s2, d0 Butyl Façade Sealing Membrane (SA) using a suitable illbruck sealing tape.

For linear joint seals, a suitable width roll of B-s2, d0 Butyl Façade Sealing Membrane (SA) is used and bonded either side of the joint. The minimum overlap on either side of the joint should be 30 mm.

Applicators are advised to obtain full on-site training and consult the relevant method statements and installation guides in addition to reading this Technical Data Sheet.

For further information please consult technical data sheet, available from website ([www.tremcocpg.eu](http://www.tremcocpg.eu)).

**Guarantee / Warranty**

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge.

Tremco CPG UK Ltd shall not be held liable for any direct, indirect, incidental, special, or consequential damages arising out of or in connection with the use of the guidance/recommendations provided.

Tremco CPG UK Ltd reserves the right to modify or discontinue any recommendations at any time without prior notice.

**Health And Safety Precautions**

Safety data sheet must be read and understood before use.

**Technical Service**

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.



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