

	<b>8100 Expanding Foam Tape</b>	
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### 1. Description

Rev: March 2022

Our 8100 expanding foam is weather-retardant, impregnated, open-cell, polyurethane soft foam, enclosed before use in a polypropylene film with a bonding adhesive on one side for fixing.

### 2. Usage/ Purpose

Our 8100 expanding foam is an impregnated, pre-compressed foam sealing tape, encapsulated before use in a tear-off, polypropylene film with a bonding adhesive on one side for installation. The tear-off, encapsulating film permits the post-installation expansion of the foam strips, thus ensuring an effective weather seal.

#### Key Benefits

- Factory or site application with activation within 3 months of installation
- 600 Pa weather resistance
- Applied before frame installation
- Non hazardous waste or clean up

### 3. Colour

Foam sealing tape – available in anthracite as standard (grey available on request).

Encapsulated film – clear

Adhesive release film – red

### 4. Packaging

Continuous spool 50m, 100m or 200m depending upon size

### 5. Dimensions

Normal Joint Width (mm)	Maximum Joint Width* (mm)	Metres/ Cartons
3	7	50
3	7	200
5	10	50
5	10	200
7	12	50
7	12	100

Max installation depth = 17mm  
Width of tape = 15mm + tear off strip  
\*to ensure 600 Pa driving rain resistance

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## 6. Technical Information

Property	Test Method	Result
Construction Class	DIN 4102	B2
Standard Construction Material Compatibility	DIN 52453	Compatible
Film Thickness		30 +/- 5µ
Driving Rain Resistance	EN 1027	600 Pa minimum
Water Vapour Permeability		sd value <0.5m
Application Temperature		The tape should be applied to the window frame before installation at temperatures above +10°C to ensure satisfactory adhesive tack
Service Temperature		+30°C to +90°C
UV Resistance	The polypropylene activation film must be removed within 3 months of installation otherwise this may be difficult to remove.	
Storage	Store rolls horizontally and in original carton between +0°C and +20°C in dry conditions and away from direct sun light.	
Shelf life	18 months when stored as recommended in original unopened containers.	

## 7. Preparation

No special surface preparation or primers are required but contact surfaces must be clean of dust, dirt, loose matter, grease or oils.

## 8. Health and Safety

Safety data sheet must be read and understood before use.



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## 9. Application

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- Prior to installation, 8100 is fixed to the frame by means of the self-adhesive strip.
- Measure the size of the aperture, not the frame, and cut the 8100 to length, allowing an extra 10mm per metre to form a good fit between the end of the tape and the wall/ reveal.
- It is preferable to install the horizontal edges first. Fit the tape to the top and bottom of the frame. The tape should be set back into the joint by 2-3mm in order to protect from UV and enhance stability. Then measure the vertical distance of the frame between the horizontal tapes, again allowing 10mm per meter oversize to form a good, tight butt joint at the corners.
- Apply the tape in line with the top and bottom seals.
- NOTE: creasing in the filmic adhesive support may provide tracking points for moisture ingress. The product should be applied under minimal but sufficient tension to remove any such creases at application. This will ensure that intimate and close contact with substrate is made.
- During installation of the frame, ensure that the tear-off strip is externally accessible. When ready to activate the tape, remove the film by carefully tearing at the metal perforation strip, ensuring that this is also removed. Continue pulling the film at an angle of 45° to the adhesive surface (as shown in fig 3) and supporting the tape by pressing close to the point of tearing. Take care not to disturb the corner butt joints. This action will cause the strip to tear freely along the perforation line. The activated seal will now quickly expand to seal the joint.
- Please be aware that a small residual visual edge of film will remain after the main encapsulation is removed.
- It is essential to remove the tear-off activation/ encapsulating film within 3 months of application otherwise this may prove difficult due to UV degradation.

### Please Note

In order that driving rain resistance is maintained to a minimum of 600 Pa, it is essential that the maximum recommended joint width is not exceeded. To ensure that irregularities can be sealed by the tape, aperture surfaces

Fig 1:  
Bond 8100 to the edge of the window frame using self-adhesive strip.

Fig 2:  
Activate the expansion of the tape by removing the tear-off film and thread.

Fig 3:  
Pull the film carefully at an angle.

Fig 4:  
8100 located between window and reveal.

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<p>must not be excessively rough. The information provided herein represents general guidance only. The user is advised to conduct trials to establish suitability for his particular application.</p>		
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