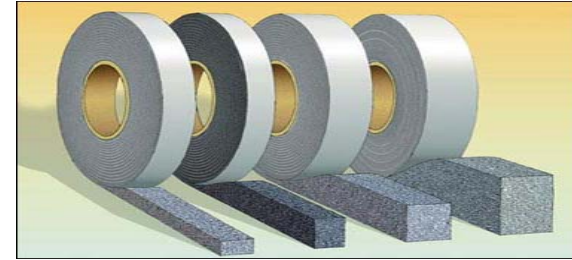




Expanding Closure System



Flowseal is the professional sealant choice for demanding applications where continued seal protection through expansion and contraction of substrates is vital.

Over the last fifteen years Flowseal has solved many architectural and manufacturing problems with its versatility, ease of application and reduction of waste. This material competes in applications where typical sealants such as silicone and caulking do not or perform or will suit where the customer is looking for an overall increase in performance.

If you require an air and dust seal, acoustic seal or a weather seal Flowseal can cater for your requirements and outperform most sealants in today's market.

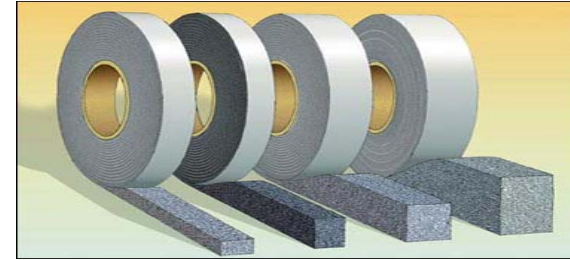
What is Flowseal?

Flowseal is a pre-compressed, self expanding, impregnated, open cell foam tape.

Pre-compressed - Flowseal is supplied in roll format and is pre-compressed up to five times the foams original form. Once the roll is opened Flowseal starts to expand with no assistance. The speed to which it expands depends on the ambient temperature conditions.



Expanding Closure System



Self Expanding - The self expansion of Flowseal allows the material to create a seal in application making the sealant applicator less responsible for the quality of seal produced.

Impregnated - The impregnation is a modified acrylic system closing the foam structure and protecting against UV light and other exterior elements.

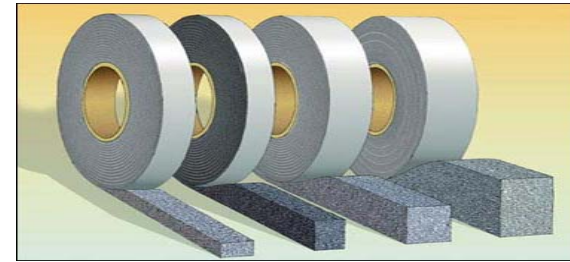
Open Cell – The open cell structure of the foam tape allows to foam to expand and compress with the movement of the substrates and also conform very well to irregular surfaces.

What is Flowseal used for?

- Waterproof/weatherproof open gaps or used to seal between two substrates
- Cause a dust seal or air baffle
- Create a thermal & acoustic seal

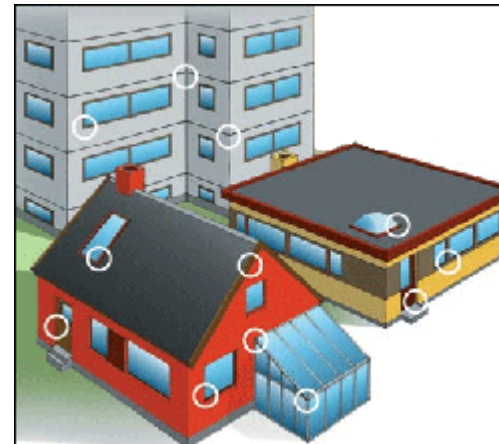
FLOW *Seal*

Expanding Closure System



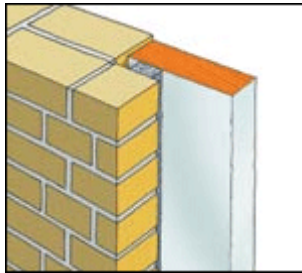
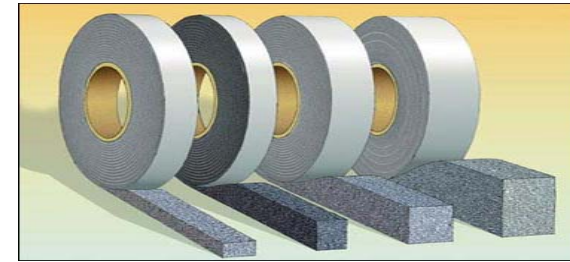
Applications;

- Sealing of gaps between window & door frames
- Sealing between concrete sections
- Sealing between sill and brickwork
- Sealing of double casement windows
- Sealing of sky-lights and roof-lights
- Sealing of roof constructions



FLOW *Seal*

Expanding Closure System



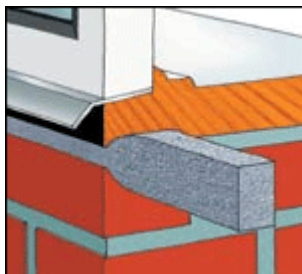
The sealing tape renders a wind and water resistant sealing and in normal circumstances requires neither preparation nor finishing of the joint.



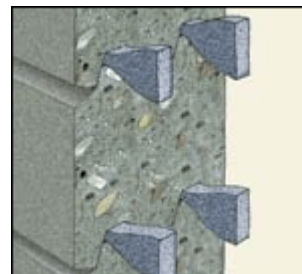
The sealing tape retains its flexibility and adapts to unevenness and joint movement in the construction.



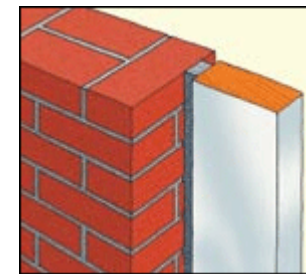
The sealing tape can advantageously be mounted immediately prior to window installation.



The sealing tape is available in colours matching most common building materials.



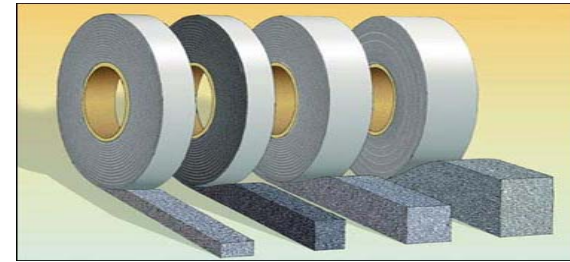
The sealing tape is resistant to e.g. alkali extracts and residues from concrete and compatible with most known building materials.



The sealing tape does not contain plasticizers which could affect e.g. coated surfaces.



Expanding Closure System



What can Flowseal replace?

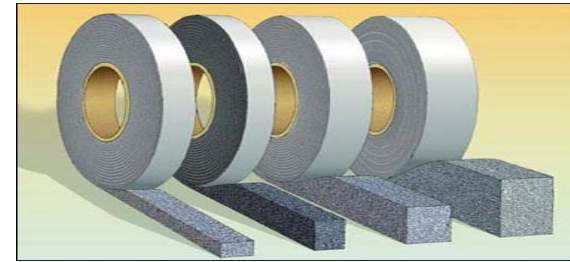
- Butyls
- Foam filler rods
- Wet sealants

Advantages

- Does not dry out
- Durable and resilient for movement joints
- Suitable for uneven surfaces within gap
- Ease of application
- Less chance of joint failure
- Will not extrude from joint when squeezed
- Polyester scrim prevents stretching of material during installation
- Can be used across a large temperature range
- No cleaning down after installation
- Saves time & money



Expanding Closure System



Specific advantages of Flowseal

- Compatible with most wet sealants
- Non staining
- Creates a cleaner environment where used instead of other sealant products
- Can be painted over

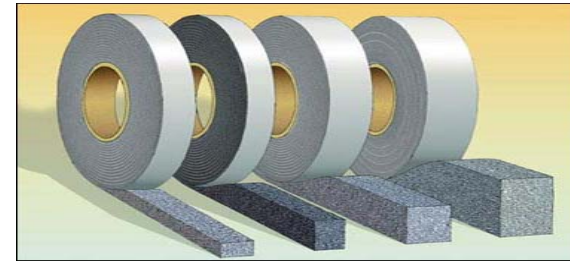
Getting the size right

When recommending Flowseal the size has to be specified correctly. The system has four different measurements associated with it.

Depth - This is the width of the roll or the depth into the joint. The wider the depth the more stable the product becomes. The thicker the material, the more stability is required.



Expanding Closure System



Length - The basic length of the material, used to estimate how much material will be used.

Compressed thickness - This is the thickness of the material supplied on the roll or the original thickness before the material starts to expand. However, this is not an accurate figure as the material does tend to be thinner towards the centre of the roll.

Uncompressed thickness (Expanded) - This is the original thickness of the foam before it was compressed in to roll format.

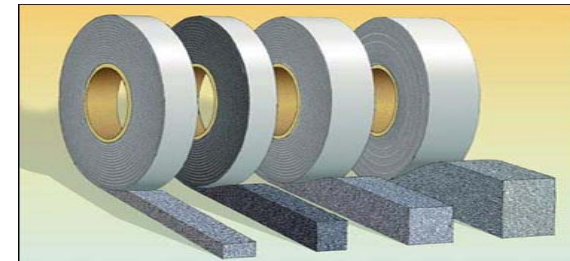
Flowseal product range;

The Flowseal product range currently consists of two products which are our FL4580 for moderate sealing and expansion applications and FL4512 for exceptional sealing and expansion applications.



FLOW Seal

Expanding Closure System

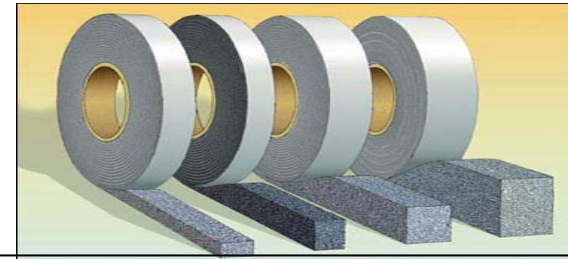


Technical Specifications

	FL4512	FL4580
Density	approx. 120 kg/m ³	approx. 80 kg/m ³
Colours	Grey or Black	Grey or Black
Supplied in	Rolls pre-compressed to appr. 15-20% of original thickness	
Compression resistance DIN 53 577	appr. 4-5 kPa	appr. 4-5 kPa
Tensile strength	appr. 170 kPa	appr. 155 kPa
Elongation	appr. 170%	appr. 170%
Fire resistance DIN 4102, Teil 1	Class B1	Class B2
Resistance against water penetration DIN EN 86	600 Pa	300 Pa
Air penetration DIN EN 42	$\leq 0,1 \text{ m}^3/(\text{h} \cdot \text{m} \cdot (\text{daPa})^n)$	
Temperature resistance	-40 - + 100°C shortly to +130°C	
Acceptance to other building materials	extremely good	extremely good
Storage time	2 years	2 years
Storage temperature	20°C	20°C



Expanding Closure System



DIMENSIONS				
	FL4580	FL4512		
Sealing tape dimension	Joint gap	Joint gap	Quantity	Quantity
Depth/Width x height	Resistent to water penetration 300 Pa	Resistent to water penetration 600 Pa	m/roll	rolls/carton
10x10 mm 15x10 mm	2-3 mm	2-3 mm	12.5m	40 26
10x15 mm 15x15 mm	3-4 mm	3-4 mm	10m	40 26
10x20 mm 15x20 mm 20x20 mm	4-6 mm	4-6 mm	8m	40 26 16
15x25 mm 20x25 mm 25x25 mm	5-8 mm	5-8 mm	6.6m	60 45 36
15x30 mm 20x30 mm 25x30 mm	6-9 mm	6-9 mm	5.6m	60 45 36
15x40 mm 20x40 mm	8-12 mm	8-12 mm	4.3m	60 45
20x50 mm 25x50 mm	10-16 mm	10-16 mm	3.3m	45 36
25x60 mm 30x60 mm	12-20 mm	12-20 mm	2.6m	36 30