

FLEXJOINT®
the waterproof expansion joint system

Expansion joint tapes

TIGHTNESS GUARANTEED

Bitumen



Liquid plastic



Epoxy adhesives



The product

Flexjoint expansion joint tapes are made of EPDM rubber and are the perfect solution for roof and structural waterproofing.

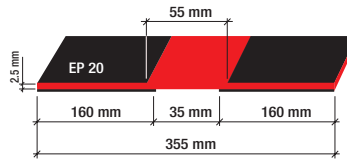
- highly elastic, absorbs 3D movements simultaneously
- durable without plasticisers
- durable connection without weak points due to vulcanisation technology
- low installation height
- flame-resistant carbon fleece bonds excellently without pre-treatment
- ideal for bitumen, liquid plastic and epoxy adhesives



Our assortment

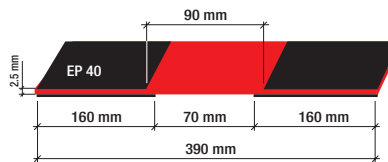
Flexjoint EP20

+/- 20mm expandable
in longitudinal/transverse/vertical direction
diagonally up to +/- 35mm



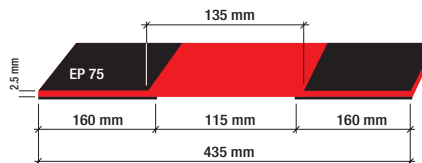
Flexjoint EP40

+/- 40mm expandable
in longitudinal/transverse/vertical direction
diagonally up to +/- 70mm



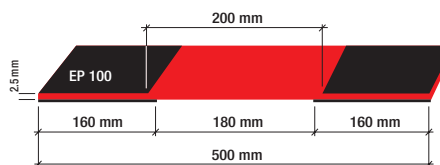
Flexjoint EP75

+/- 75mm expandable
in longitudinal/transverse/vertical direction
diagonally up to +/- 130mm



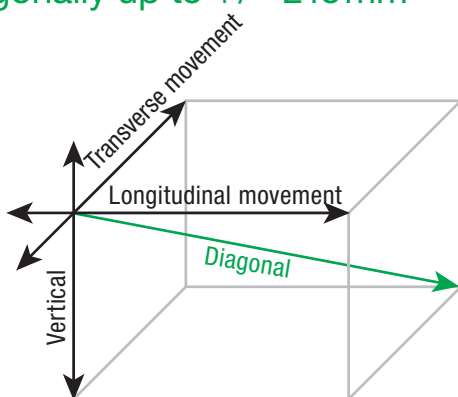
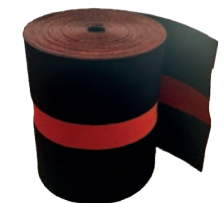
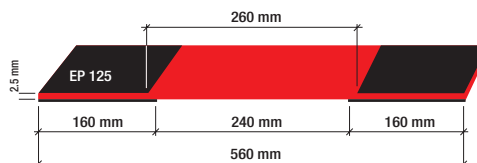
Flexjoint EP100

+/- 100mm expandable
in longitudinal/transverse/vertical direction
diagonally up to +/- 175mm



Flexjoint EP125

+/- 125mm expandable
in longitudinal/transverse/vertical direction
diagonally up to +/- 215mm

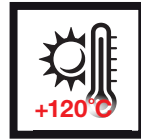


Expansion in all three directions simultaneously

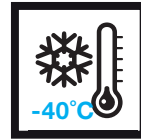
Material properties



excellent properties against ozone concentrations



very good long-term exposure heat resistance (up to + 120°C)



very good flexibility at low temperatures (down to - 40°C)



excellent properties against UV rays



excellent against water and water vapour



very good against alkalis, diluted acids and salt solutions



very good resistance to polar solvents such as alcohol and ketones

The EPDM material also has good general resistance to chemicals.

Resistance to non-polar plasticisers and solvents (e.g. mineral oils, petrol, fuels and aromatics such as toluene) is low. Constant contact with these media should be avoided.

Short-term contact during the installation phase with the open flame does not cause any impairment of the material properties.

Test	Unit	Test standard	Test value
Hardness	Shore A	DIN 53505	40 ± 5
Tensile strength	N / mm ²	DIN 53504	> 10
Elongation at break	%	DIN 53504	> 700
Compression set (at 23°C and 70°C) respectively	%	DIN ISO 815-1	20% and 44%
Resistance to ozone cracking	Crack level	DIN 53509-1	Crack level 0
Water vapour diffusion resistance	μ	DIN EN ISO 12572	83,000 μ
Fire behaviour		DIN EN 13501-1	Class E
Alkali resistance (storage in lime water)		DIN EN 1847	average > 5%
Folding at low temperatures - 40°C		DIN EN 495-5	No cracks
Resistance to ageing (UV, temp. / water)		DIN EN 12974	No cracks

Joints without weak points due to vulcanisation



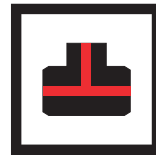
Outside corner



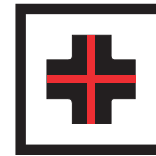
Inside corner



Mitre



T-piece

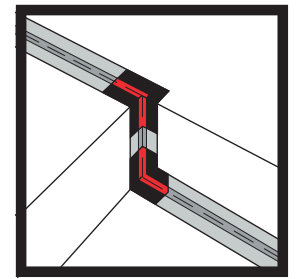
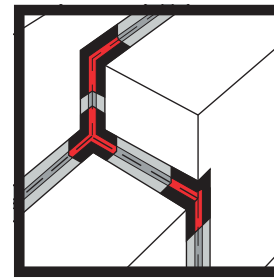
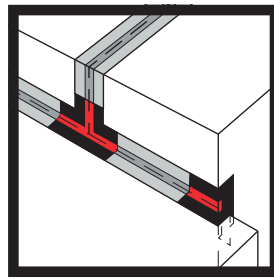
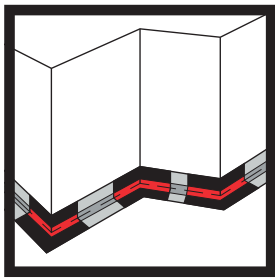


Crosspiece

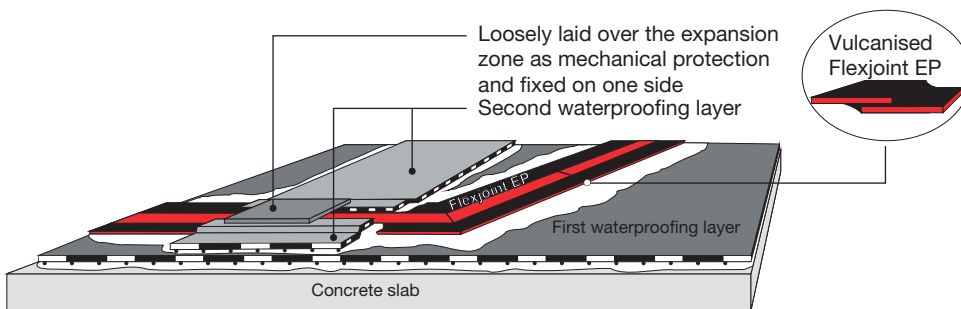


Inside corner
3-way

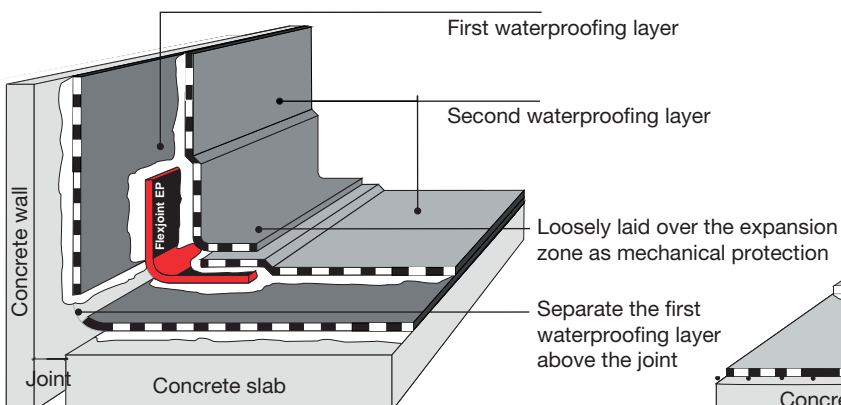
Other special fittings available.



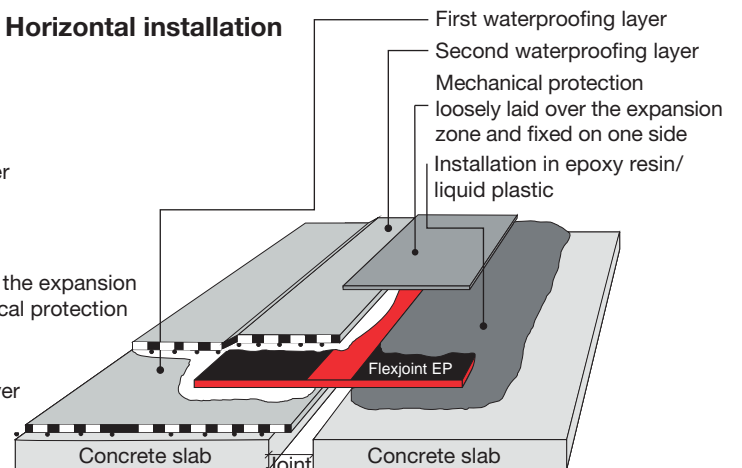
Installation with change of direction



Horizontal / vertical installation



Horizontal installation

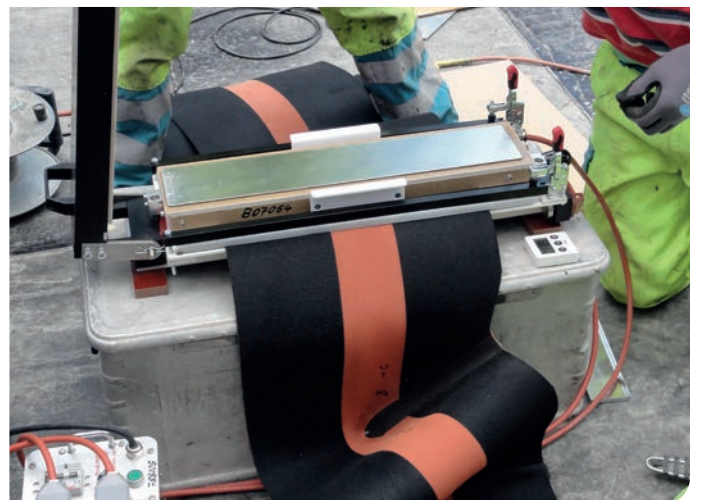


FLEXJOINT®

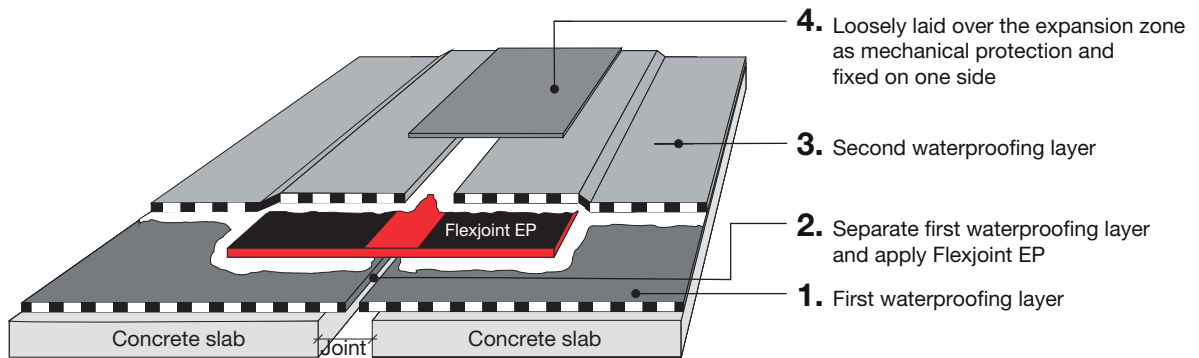
the waterproof expansion joint system

Installation details

Our service: Made to measure on site!



Installation



FLEXJOINT[®]
the waterproof expansion joint system

TIGHTNESS GUARANTEED



Made to measure



Rolls of 25 m from stock

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