

FLEXJOINT®
the waterproof expansion joint system

Expansion joint tapes

TIGHTNESS GUARANTEED

Bitumen



Liquid resin



Epoxy adhesives



The product

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

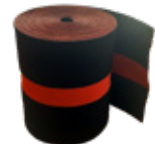
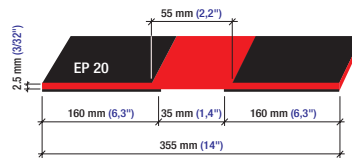
- highly elastic, absorbs 3D movements simultaneously
- durable without plasticisers
- durable connection without weak points due to vulcanisation technology
- low installation height
- flame-resistant carbon fleece bonds excellently without pre-treatment
- ideal for bitumen, liquid plastic and epoxy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



Our assortment

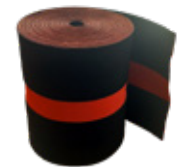
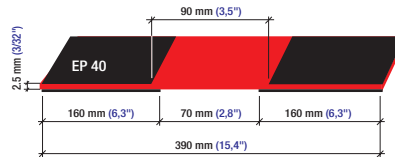
Flexjoint EP20

+/- 20mm (0,8") expandable
in all directions
diagonally up to +/- 35mm (1,4")



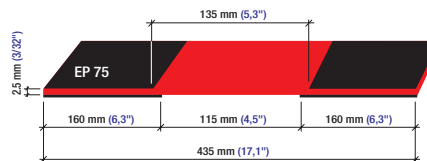
Flexjoint EP40

+/- 40mm (1,6") expandable
in all directions
diagonally up to +/- 70mm (2,8")



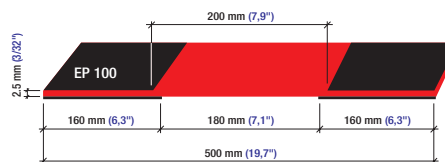
Flexjoint EP75

+/- 75mm (3") expandable
in all directions
diagonally up to +/- 130mm (5,1")



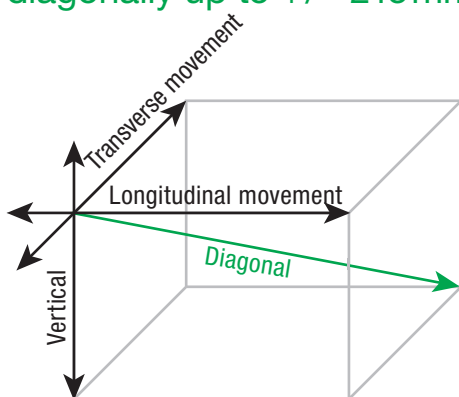
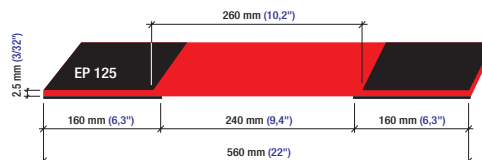
Flexjoint EP100

+/- 100mm (4") expandable
in all directions
diagonally up to +/- 175mm (6,9")



Flexjoint EP125

+/- 125mm (5") expandable
in all directions
diagonally up to +/- 215mm (8,5")



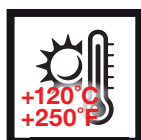
simultaneous movements in 3 axes

product	horizontal	vertical	shear
EP20	+/-30mm (1,2")	+/-25mm (1")	+/- 20mm (0,8")
EP40	+/-60mm (2,4")	+/-50mm (2")	+/- 40mm (1,6")
EP75	+/-100mm (4")	+/-85mm (3,4")	+/- 75mm (3")
EP100	+/-150mm (6")	+/-125mm (4,9")	+/- 100mm (4")
EP125	+/-200mm (8")	+/-170mm (6,7")	+/- 125mm (5")

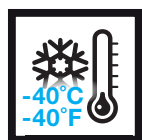
Material properties



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	45 ± 5
Tensile strength	N / mm ²	DIN 53504	> 10
Elongation at break	%	DIN 53504	> 700
Compression set respectively (at 23°C / 73°F and 70°C / 158°F)	%	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 / -40°F)		DIN EN 495-5	No cracks
Resistance to ageing (UV, temp. / water)		DIN EN 12974	No cracks

Joints without weak points due to vulcanisation



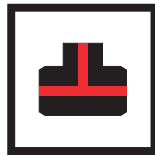
Outside corner



Inside corner



Mitre



T-piece



Crosspiece

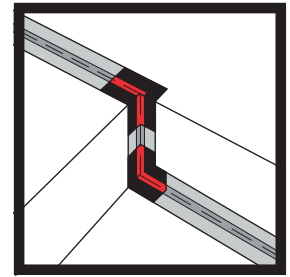
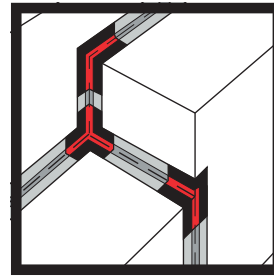
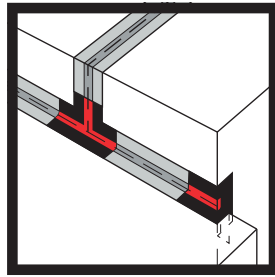
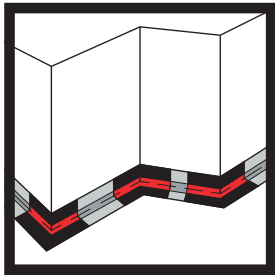


Inside corner
3-way

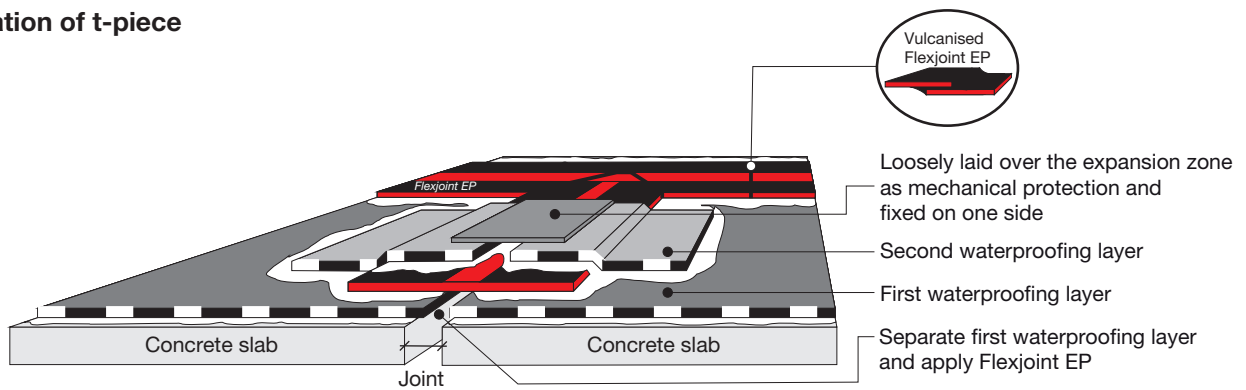


End piece

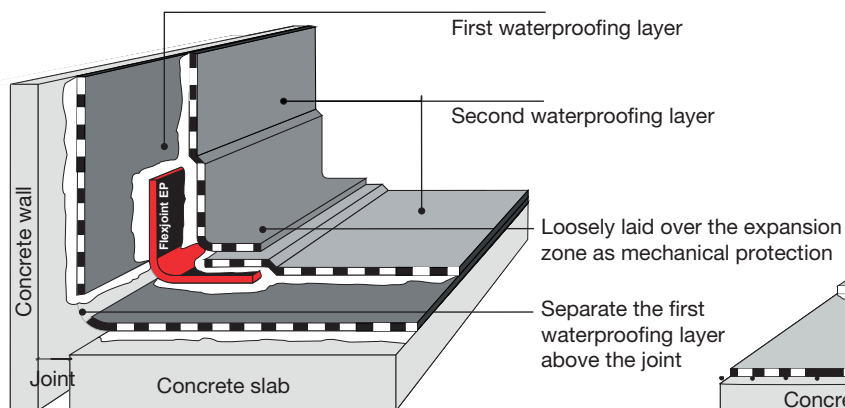
Other special fittings available.



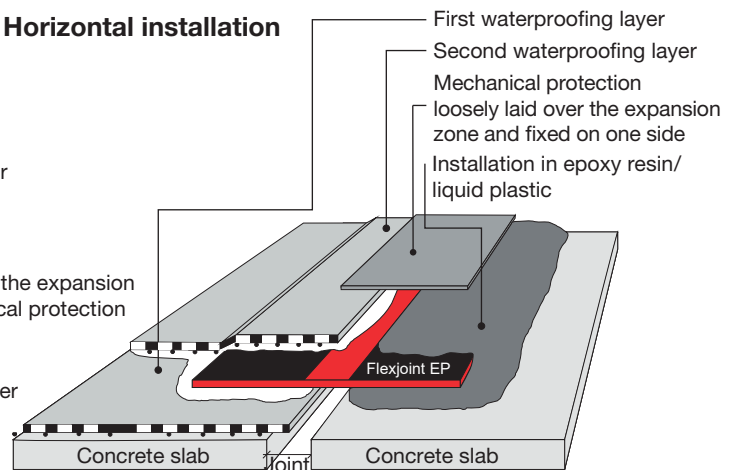
Installation of t-piece



Horizontal / vertical installation



Horizontal installation

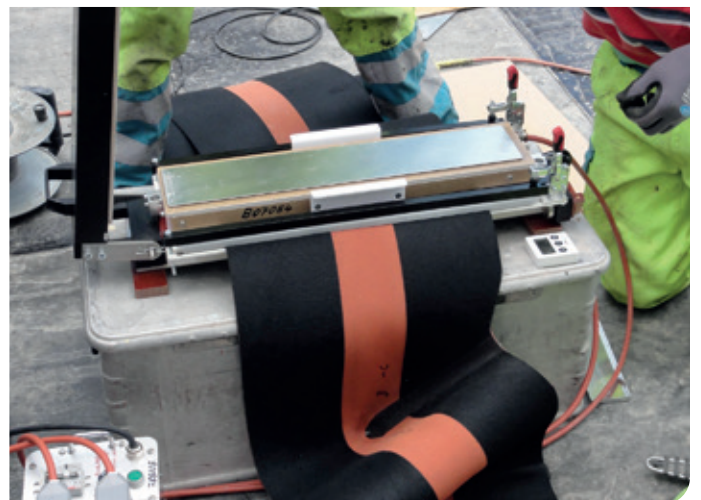


FLEXJOINT®

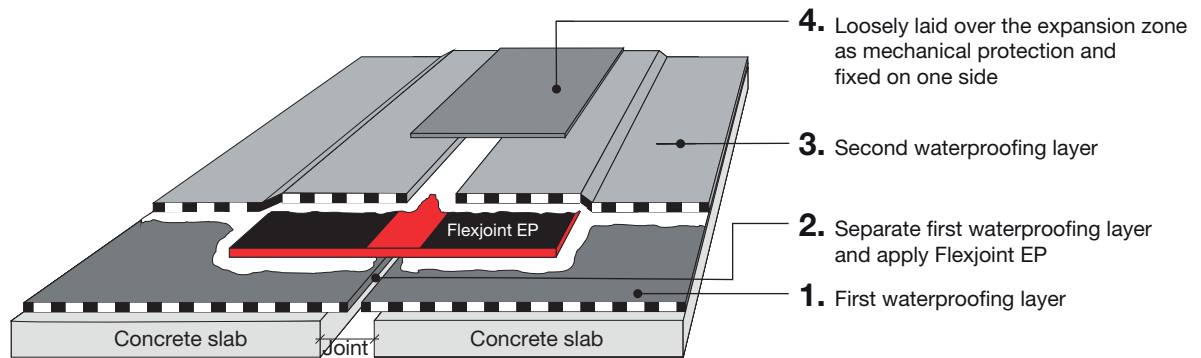
the waterproof expansion joint system

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

Contact

Flexjoint GmbH

Mellingerstrasse 12
5443 Niederrohrdorf
Switzerland

Office: +41 56 470 34 72

e-mail: info@flexjoint.ch

www.flexjoint.ch

Kaspar Hürlimann

Mobile: +41 79 795 53 99

