

# FlamLINE 100 / 240

Waterproof Expansion Joints

## Material Description

The base material for FlamLINE waterproof expansion joint is manufactured from a high grade of a Butyl-Elastomer with the following properties:

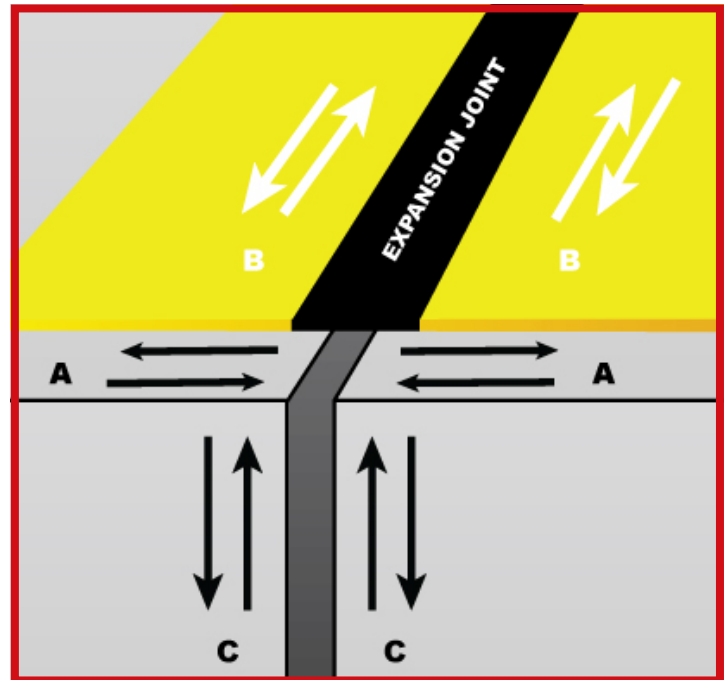
- Excellent resistance to ozone
- Long term high temperature resistance (up to + 90 °C)
- High flexibility at low temperatures (– 40 °C)

### FlamLINE is resistant to:

- Alkali, acids and saline solutions
- Water and steam
- Polar solvents, such as alcohol and ketone

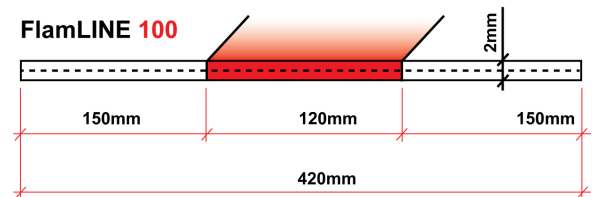
Low resistance to homopolar emollients and solvents (e.g. mineral oils, benzene, fuels and aromatic compounds, such as toluene). Prolonged contact with these agents should be avoided.

Contact during the installation phase with the torch will not impair the material properties.



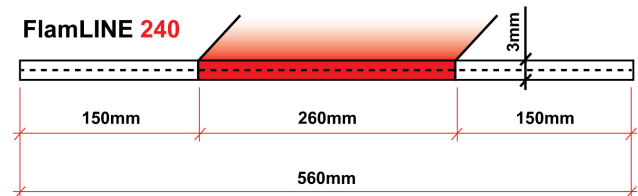
## FlamLINE 100

- A Lateral Movement (max  $\pm 100\text{mm}$ )
- B Longitudinal Movement (max  $\pm 50\text{mm}$ )
- C Vertical Movement (max  $\pm 75\text{mm}$ )



## FlameLINE 240

- A Lateral Movement (max  $\pm 240\text{mm}$ )
- B Longitudinal Movement (max  $\pm 120\text{mm}$ )
- C Vertical Movement (max  $\pm 180\text{mm}$ )



Property	Unit	Method	Result
Hardness	Shore A	DIN53505	55 $\pm 5$
Tensile Strength	N/mm <sup>2</sup>	DIN53504	>6
Elongation	%	DIN53504	>700
Tear Strength	N/mm	DN53507	>10
Water vapour Permeability* my-factor	g /m <sup>2</sup>	DIN53122	0.817 ca. 240000
Fire rating		DIN4102	DIN4102-B2

\*HEIGHT 0.55mm