

FACT SHEET

# Soba FlamLINE®

**Challenge**

Components on buildings are constantly exposed to loads such as temperature fluctuations, earthquakes or other physical conditions. These have an effect on the volume and the characteristics of the materials used, as well as on the construction materials, and can cause signs of wear or cracking with disastrous consequences. Choosing the right sealing system is therefore of the utmost importance.

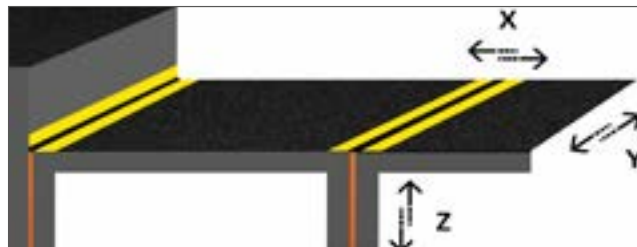
**Solution**

A joint tape system pre-assembled at the factory for quick and safe installation. The vulcanisation of all shaped parts guarantees a homogeneous joint tape system without weak points.

The centre is formed by the highly elastic expansion zone in the middle of the tape system which is positioned over the joint. The bonding flanges reinforced with a truss, ensure a friction-locked connection with the sealing system. This clearly separates the functions "movement absorption" and "integration into the sealing system". There are different product versions available depending on the 3-dimensional joint movement to be expected.

**Advantages of FlamLINE**

- Tapes and moulded parts are supplied as ready-made systems
- Cost-effective installation thanks to prefabricated, precisely fitting expansion joint tapes
- Follow any joint course without any problems
- Flush installation without loops and beads
- No complex substructures thanks to "sandwich installation"
- Very high resistance to building vibrations (e.g. during earthquakes)
- Force-fit joints with bitumen sheeting, epoxy resin adhesive and liquid plastic
- Construction vulcanisation possible
- Special metal connectors for connections to sheet metal work



Movement pattern for 3-dimensional joint movement

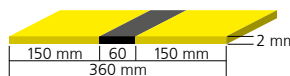
**Product versions**

**FlamLINE 20**



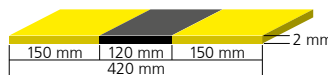
X max. ± 20 mm  
Y max. ± 20 mm  
Z max. ± 20 mm  
V<sub>r</sub> = 34 mm

**FlamLINE 40**



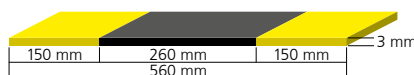
X max. ± 40 mm  
Y max. ± 40 mm  
Z max. ± 40 mm  
V<sub>r</sub> = 69 mm

**FlamLINE 100**



X max. ± 100 mm  
Y max. ± 100 mm  
Z max. ± 100 mm  
V<sub>r</sub> = 173 mm

**FlamLINE 240**



X max. ± 240 mm  
Y max. ± 240 mm  
Z max. ± 240 mm  
V<sub>r</sub> = 415 mm

X Lateral movement / Y Longitudinal movement / Z Vertical movement  
V<sub>r</sub> Maximum resulting displacement

**Installation**

FlamLINE is incorporated into bituminous systems by scorching. Depending on the installation scenario, FlamLINE can also be applied with epoxy resin adhesive or liquid plastic.



Simple sandwich installation between two geomembranes