

FACT SHEET

Soba RedLINE®

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.

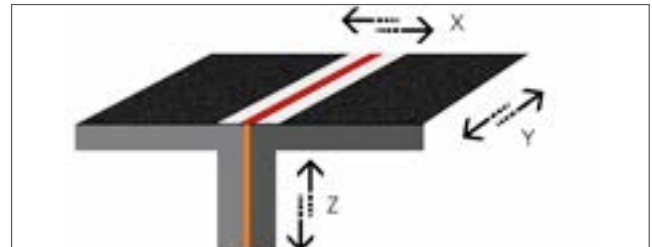
Solution

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 fleece on the sides 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 RedLINE

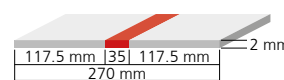
- Tapes and moulded parts are supplied as ready-made systems
- Cost-effective installation thanks to prefabricated, precisely fitting expansion joint tapes
- Follow any joint course without any problems
- Flush installation without loops and beads
- No complex substructures thanks to "sandwich installation"
- 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



Movement pattern for 3-dimensional joint movement

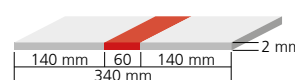
Product versions

RedLINE 20



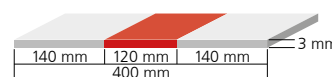
X max. ± 20 mm
Y max. ± 10 mm
Z max. ± 15 mm
V_r = 26 mm

RedLINE 40



X max. ± 40 mm
Y max. ± 20 mm
Z max. ± 30 mm
V_r = 53 mm

RedLINE 100 G



X max. ± 100 mm
Y max. ± 50 mm
Z max. ± 75 mm
V_r = 134 mm

RedLINE 240 G

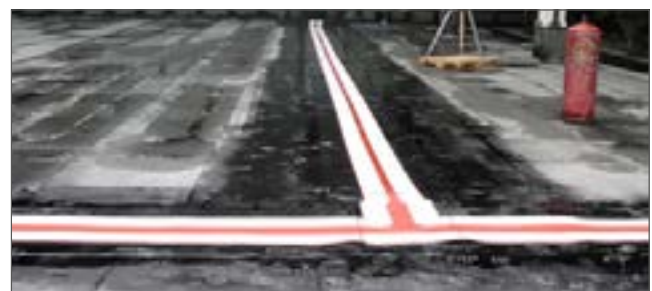


X max. ± 240 mm
Y max. ± 120 mm
Z max. ± 180 mm
V_r = 323 mm

X Lateral movement / **Y** Longitudinal movement / **Z** Vertical movement
V_r Maximum resulting displacement

Installation

RedLINE is poured into bituminous sealing systems with hot bitumen. Depending on the installation scenario, RedLINE can also be applied with epoxy resin adhesive or liquid plastic.



RedLINE poured onto the 1st layer of a bituminous geomembrane