

# FlamLINE

SEALING STRIPS FOR FLAT ROOFS AND EARTH-COVERED AREAS

# MIGUPREN

SEALING STRIPS FOR SEALING MOVEMENT JOINTS WITH THREE-DIMENSIONAL MOVEMENT



MIGUPREN FlamLINE consists of the elastic material Butyl-Elastomer.

- Excellent resilience against ozon
- Very high long-tem heat resistance (up to +90° C)
- Very high flexibility at low temperatures (up to -40° C)
- Water pressure up to 0.5 bar

#### Overall resilience against chemicals:

- Very good against alkali, diluted acids and saline solutions\*
- Excellent against vapour
- Very good resilience against polar solvents like alcohol and ketone
- Suitable for green roofs

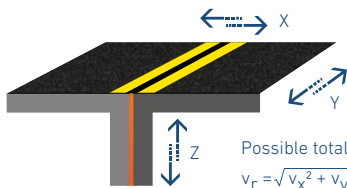
#### Sealing system meets the demands of DIN 18531, 18532 und 18533.

- With AbP (=General Building Authority Test Certificate) as evidence of sustainability
- Proof of radon impermeability provided at the IAF Radionuclide Laboratory

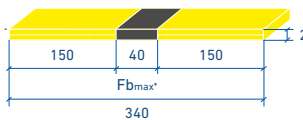
#### Appropriate bonding materials: Bituminous material, liquid applied plastics, epoxy resin adhesives

Pls contact us for further information

#### 4 variants for every requirement

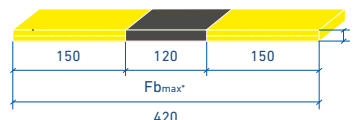


Possible total deformation (according to DIN 18533-1):  
 $v_r = \sqrt{v_x^2 + v_y^2 + v_z^2}$



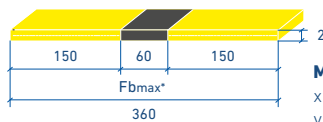
#### Migupren FlamLINE 20

x = ± 20 mm  
 y = ± 20 mm  
 z = ± 20 mm  
 resulting movement  $v_1 = 34$  mm



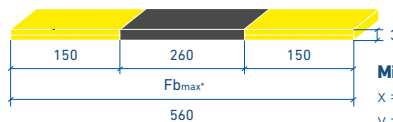
#### Migupren FlamLINE 100

x = ± 100 mm  
 y = ± 100 mm  
 z = ± 100 mm  
 resulting movement  $v_1 = 173$  mm



#### Migupren FlamLINE 40

x = ± 40 mm  
 y = ± 40 mm  
 z = ± 40 mm  
 resulting movement  $v_1 = 69$  mm



#### Migupren FlamLINE G240

x = ± 240 mm  
 y = ± 240 mm  
 z = ± 240 mm  
 resulting movement  $v_1 = 415$  mm

#### Technical data

Testing	Unit	Test value FlamLINE	Test Standard
Elastomer base		IIR	ISO 1629
Color		yellow/black	
Hardness	Shore A	55	DIN 53 505
Tensile strength	N/mm <sup>2</sup>	> 5	DIN 53 504
Elongation at break	%	> 600	DIN 53 504
Tear resistance	N/mm	> 8	DIN 53 507
Water vapor permeability at thickness 2.6 mm	g/m <sup>2</sup> x day my value	0,16 ca. 270000	In accordance with DIN 53 122
Fire behaviour		Building material class E	DIN EN 13501-1

\*Fbmax = maximum joint width

Increase of individual values possible after special calculation and approval.