

## Regupol® resist 9510

**Regupol® resist 9510** is an alternative to **Regupol® resist** for protective roof membranes and insulation, as well as for higher loads. **Regupol® resist 9510** consists of PUR-bonded butyl rubber and is classified as a protective layer in accordance with DIN 18195, part 10. In comparison to protective screed and concrete, **Regupol® resist 9510** possesses clear technical, physical and financial advantages. It is easy to install and can be optimally bonded to any kind of sub-bases by means of hot bitumen, special adhesives and plastic adhesives. The material is virtually odourless in terrace floors with open joints.



### Material

PUR-bonded butyl plastic

### Specific Weight

approx. 1,050 kg/m<sup>3</sup>

### Weight per unit

approx. 8.4 kg/m<sup>2</sup> at 8 mm thickness

### Tile Measurements

10,000 x 1,250 x 6 mm

8,000 x 1,250 x 8 mm

6,000 x 1,250 x 10 mm

Other sizes and thicknesses on request.

### Low-Temperature Stability

to -40 °C

### Thermostability

to +120 °C

When installing under bituminous base course/hot bitumen, please keep the linear thermal expansion coefficient in mind (for further information please feel free to contact BSW).

### Tensile Strength

under tensile load  $\sigma_R \geq 0.60$  N/mm<sup>2</sup>, in accordance with DIN EN ISO 1798

### Elongation at Break

$\gamma_R \geq 60$  %, in accordance with DIN EN ISO 1798

### Compression Stress

at 30 % deformation  $\geq 2.19$  N/mm<sup>2</sup> at 8 mm thickness, DIN EN ISO 3386/2

### Thermal Conductivity

Calculation value  $\lambda_z = 0.14$  W/mK

### Reaction to Fire Classification

E in line with EN 13501-1

### Coefficient of Thermal Expansion

approx.  $23.1 \times 10^{-5}$  / °C

### Resistance to water vapour diffusion factor $\mu$

21.6

(Water vapour diffusion equivalent air layer thickness  $s_{e,i}$ : 0.21 m)

### Migration of Plasticisers

Installation on membranes which are not rubber-compatible may cause migration of plasticisers. Please use **Regupol® resist solar FH AK** to avoid migration of plasticiser.

### Protective layer

according to the norm DIN 18195, part 10

The stated values are to be understood as guidelines. The depicted applications (photos) are examples only. Our information does not release users from the obligation of carrying out their own tests for possible uses.