

# Sound Deadening Panels

## *Sound Deadening Panels*

V04  
08/2024

### Description

- Sound absorbing
- Self-adhesive

### Area of application

- For insulating sounds and vibrations

### Handling

The substrate must be firm, clean, dry, free from rust and grease.

The adhesive effect can be reduced to freshly painted surfaces depending on the surface-active auxiliaries used in the paint. In such cases, we recommend to test the adhesive effect on freshly painted surfaces before the actual application.

After removing the cover material (paper or foil) the plate is pressed with the adhesive side to the substrate and rolled if possible with a roller.

The optimum processing temperature is 20 - 25°C. A vertical or overhead - storage of the glued parts is only allowed after 1 hour at the earliest. As an aid, a hot air blower can be used.

### Product data

#### **BLACK BITUMEN**

|                          |   |
|--------------------------|---|
| Dimensions:              | 25 x 50 cm  |
| Gross weight:            | approx. 0.4 kg  |
| Colour:                  | black   |
| Base:                    | polymer modified bitumen  |
| Consistency:             | fixed plate, flexible at room temperature                           |
| Density at 20°C:         | approx. 1.75 g / cm <sup>3</sup> (± 0.05)                           |
| Thickness:               | 1.7 ± 0.2 mm  |
| Basis weight:            | approx. 2.8 kg / m <sup>2</sup>                                     |
| Max. Heat level:         | 80 °C (at least 1 h vertical)                                       |
| Permanent heat level:    | 65 °C (at least 336 h vertical)                                     |
| Cold resistance:         | - 30 °C (assembled)   |
| Insulation:              | ≥ 0.07 (acoustic loss factor according to DIN 53440, 20 °C, 200 Hz) |
| Fire characteristics:    | FMVSS 302   |
| Application temperature: | > 18 °C   |
| Storage stability:       | 12 months   |

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### **BLACK SMOOTH**

|                          |   |
|--------------------------|---|
| Dimensions:              | 50 x 50 cm                                  |
| Gross weight:            | approx. 1.1 kg                              |
| Colour:                  | black                                       |
| Base:                    | elastomer, mineral fillers and polyurethane |
| Consistency:             | fixed plate, flexible at room temperature   |
| Density at 20°C:         | approx. 1.75 g / cm <sup>3</sup> (± 0.05)   |
| Thickness:               | 1.7 ± 0.2 mm                                |
| Basis weight:            | approx. 2.8 kg / m <sup>2</sup>             |
| Max. Heat level:         | 80 °C (at least 1 h vertical)               |
| Permanent heat level:    | 65 °C (at least 336 h vertical)             |
| Cold resistance:         | - 20 °C (assembled)                         |
| Insulation:              | 8.8 dB                                      |
| Fire characteristics:    | FMVSS 302                                   |
| Application temperature: | > 18 °C                                     |
| Storage stability:       | 6 months                                    |

### **BLACK STRUCTURED**

|                          |   |
|--------------------------|---|
| Dimensions:              | 50 x 50 cm                                |
| Gross weight:            | approx. 0.1,1 kg                          |
| Colour:                  | black                                     |
| Base:                    | polymer modified bitumen                  |
| Consistency:             | fixed plate, flexible at room temperature |
| Density at 20°C:         | approx. 1.85 g / cm <sup>3</sup> (± 0.05) |
| Thickness:               | 1.78 ± 0.18 mm                            |
| Basis weight:            | approx. 3,6 kg / m <sup>2</sup>           |
| Max. Heat level:         | 70 °C (at least 1 h vertical)             |
| Permanent heat level:    | 60 °C (at least 336 h vertical)           |
| Cold resistance:         | - 20 °C (assembled)                       |
| Insulation:              | 4.8 dB                                    |
| Fire characteristics:    | FMVSS 302                                 |
| Application temperature: | > 18 °C                                   |
| Storage stability:       | 6 months                                  |

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The product is sensitive to frost. Do not expose to direct weather. The storage temperature should be between 15°C and 25°C. Also protect from direct sunlight and heat. Shelf life is 6 - 12 months (see product data).



The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, expect we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed.

Furthermore, our general sales and delivery terms and conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Material Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

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