

## PRODUCT DATA SHEET

# SikaDamp®-145

Self-adhesive bitumen foil covered with paper

## TYPICAL PRODUCT DATA

<b>Chemical base</b>		Polymer modified bitumen, mineral filler
<b>Color (CQP001-1)</b>	mastic layer	Black
	paper	White
<b>Density (CQP006-4)</b>	mastic layer	1.8 g/cm <sup>3</sup>
<b>Top layer thickness (DIN ISO 1849-1/2)</b>		40 µm
<b>Area weight (CQP008-4)</b>	as requested by customer	3.5 kg/m <sup>2</sup> <sup>A</sup>
<b>Application temperature</b>	substrate, product	20 – 35 °C
<b>Loss factor (ISO 6721-3)</b>		see diagram 1
<b>Flammability (DIN 75200)</b>		100 mm/min
<b>Shelf life</b>		3 months <sup>B</sup>

CQP = Corporate Quality Procedure

<sup>A)</sup> customer may request based on available area weight

<sup>B)</sup> stored between 0 °C and 35 °C

**DESCRIPTION**

SikaDamp®-145 is a heavy-duty, highly flexible sound damping system based on bitumen without reinforcement inserts. The bitumen foil is filled with mineral material.

SikaDamp®-145 is equipped with a high-grade self-adhesive system based on acrylate. Paper is used as surface finish.

**PRODUCT BENEFITS**

- Sound deadener
- Sound damping
- High density for advanced damping results
- Paper as antiblocking layer
- Acrylic based pressure sensitive adhesive layer
- Designed for automated industry processes

**AREAS OF APPLICATION**

SikaDamp®-145 was initially developed for the noise damping in the field of industry solutions, such as air ducts, partition walls, doors, window sills, ship building and railway solutions. It is as well suitable for automotive solutions, in household and small appliance sector and in many other business fields, where damping with high density bitumen foil is required.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

## CHEMICAL RESISTANCE

SikaDamp®-145 has a good resistance against water, alcohol and diluted acids and bases. If exposure is expected, tests to determine specific resistivity are required.

## METHOD OF APPLICATION

### Surface preparation

Surfaces must be clean, dry and free from grease, oil, water and dust.

### Application

Ensure proper and full surface adhesion over the entire geometry of the part by pressing the parts using a press roll.

Application may only be processed on material and substrate temperatures between 20 °C and 35 °C. If the bituminous mat must be applied outside the recommended temperature conditions, a validation of the specific application is required.

For information regarding typical loss factors, see diagram 1. The layer structure is shown in figure 1.

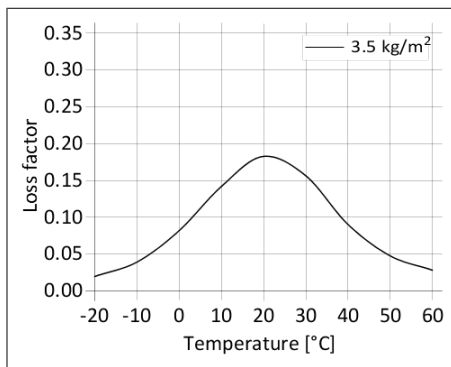


Diagram 1: Loss factor SikaDamp®-145 at 200 Hz

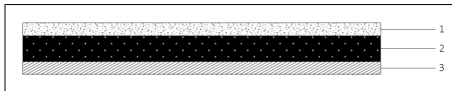


Figure 1: 1) Paper, 2) Bitumen heavy foil, 3) PSA

## STORAGE CONDITIONS

SikaDamp®-145 has to be stored dry and protected from UV light. The storage temperature is between 0 °C and 35 °C. Consider, that at temperature below 15 °C the bitumen starts to get brittle and can break. Therefore, if products are sourced from a cold storage it must be handled with care.

Ensure that the product has reached the defined application temperature before it is applied. This might be realized by storing the parts for 24 to 48 hours prior application at the assembly line.

The temperature during transportation shall not exceed 50 °C.

Note: Storage outside of standard conditions can affect the shelf life.

## FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Voluntary Safety Information Sheet
- General Guideline For SikaDamp® Application

## PACKAGING INFORMATION

Sika is delivering the standard sheets with a dimension of 1000 mm x 1000 mm on a wooden one-way pallet, covered by cardboard box and packed in shrink films. Other sizes, die-cut parts and other packagings are available on request.

The maximum stackability depends to the thickness of the material.

## BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## HEALTH AND SAFETY INFORMATION

This product contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet is therefore not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the Voluntary Safety Information Sheet.

## DISCLAIMER

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