

# DATA SHEET



## soni ELEMENT

- ▶ **soni ELEMENT** is a range of charming acoustic elements for effective noise absorption and sound-conditioning. They consist of a white polyester non-woven, optionally laminated with a decorative felt material in modern trend colors. Designed for elements, the noise absorbers are available in different sizes and a wide variety of shapes – for customized room decoration in line with your individual design concept and ideas.
- ▶ The installation of **soni ELEMENT** improves speech intelligibility, resulting in a more pleasant atmosphere and a lower noise level in day-care centers, kindergartens and schools etc.



### TECHNICAL DATA

<b>FLAMMABILITY</b>	<ul style="list-style-type: none"> <li>▶ DIN EN 13501-1: C-S2, do* (Colour variants)</li> <li>▶ DIN 4102, tested according to B1 (flame-retardant) (colour: white)</li> <li>▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200)</li> <li>▶ ISO 3795, burning rate &lt; 100 mm/min</li> </ul>
<b>TEMPERATURE RESISTANCE</b>	▶ -30°C to +100°C
<b>THERMAL CONDUCTIVITY / EN 12667</b>	▶ ≤ 0.037 W/(m·K) at 10°C
<b>DIMENSION CHANGE WHEN EXPOSED TO HEAT</b>	▶ at temperatures above 100°C: approx. ± 10%

\*glued on plaster board with soni SPECIAL ADHESIVE, or fixed with soni VELCRO tape.

### DELIVERY FORM

- ▶ Available as a set (one large and two small pieces in one colour + 1 m Velcro tape for fixation)

### BENEFITS

- ▶ Good sound absorption values
- ▶ Free of mineral fibers, physiologically safe, no emission of formaldehyde
- ▶ Excellent flammability characteristics
- ▶ High durability and good shape stability / High ageing stability

### ADVICE

- ▶ There might be minimal color variations between different lots

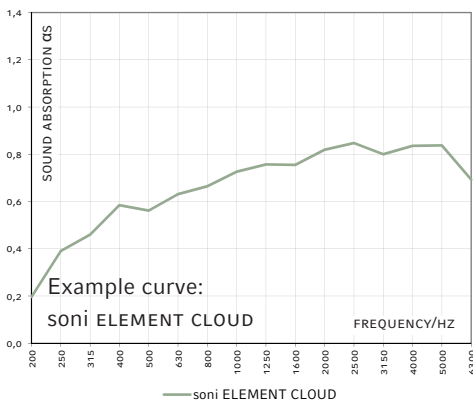
### FIXATION OPTIONS

- ▶ soni VELCRO tape (included in the delivery)
- ▶ soni SPECIAL ADHESIVE
- ▶ soni RING HANGER



### REVERBERATION ROOM

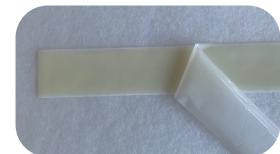
- ▶ Based on DIN EN ISO 354



### FIXATION USING SELF-ADHESIVE VELCRO TAPE



1. Cut off the Velcro tape to the required length.



2. Remove protective film and stick Velcro tape with adhesive backing to the wall.



3. Press element on the Velcro tape

### PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS











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Cellofoam International GmbH & Co. KG  
Business unit soniflex  
P: +49 7351 340 28 61  
sales@soniflex.de / www.soniflex.de

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Distribution partner for Switzerland:  
soniflex Switzerland  
P: +41 44 377 60 50  
einkauf@soniflex.ch / www.soniflex.ch

## DIMENSIONS

PRODUCT	DIMENSION [mm]	GRAMMAGE PER ELEMENT	SURFACE AREA PER SET	COLOUR SAMPLES
soni ELEMENT LEO	Large: 930 x 577 x 50* Small: 604 x 375 x 50*	Large: 550 g Small: 170 g ± 10 %	0.48 m <sup>2</sup>	
soni ELEMENT BRUNO	Large: 960 x 578 x 50* Small: 624 x 376 x 50*	Large: 560 g Small: 240 g ± 10 %	0.54 m <sup>2</sup>	
soni ELEMENT FLIPPER	Large: 769 x 574 x 50* Small: 670 x 500 x 50*	Large: 190 g Small: 140 g ± 10 %	0.37 m <sup>2</sup>	
soni ELEMENT FRED	Large: 890 x 574 x 50* Small: 670 x 500 x 50*	Large: 420 g Small: 180 g ± 10 %	0.43 m <sup>2</sup>	
soni ELEMENT BUTTERFLY	Large: 853 x 569 x 50* Small: 512 x 341 x 50*	Large: 360 g Small: 130 g ± 10 %	0.46 m <sup>2</sup>	
soni ELEMENT FLORA 1	Large: 580 x 580 x 50* Small: 401 x 401 x 50*	Large: 350 g Small: 160 g ± 10 %	0.45 m <sup>2</sup>	
soni ELEMENT FLORA 2	Large: 627 x 577 x 50* Small: 407 x 375 x 50*	Large: 360 g Small: 150 g ± 10 %	0.40 m <sup>2</sup>	
soni ELEMENT TULIP	Large: 560 x 580 x 50* Small: 364 x 377 x 50*	Large: 300 g Small: 130 g ± 10 %	0.30 m <sup>2</sup>	
soni ELEMENT CLOUD	Large: 988 x 570 x 50* Small: 533 x 308 x 50*	Large: 570 g Small: 160 g ± 10 %	0.64 m <sup>2</sup>	
soni ELEMENT STAR	Large: 600 x 571 x 50* Small: 360 x 343 x 50*	Large: 207 g Small: 70 g ± 10 %	0.25 m <sup>2</sup>	
soni ELEMENT TRAIN	Lok: 780 x 580 x 50* W1: 501 x 428 x 50* W2: 406 x 441 x 50*	Lok: 465 g W1: 199 g W2: 186 g ± 10 %	0.60 m <sup>2</sup>	

\*Thickness tolerance / EN ISO 9073-2: 10%

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Business unit soniflex  
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soniflex Switzerland  
P: +41 44 377 60 50  
einkauf@soniflex.ch / www.soniflex.ch