



## M1 MELAMINE FOAM ELASTO-CELL SE 40M1-MELAMINE

### *Technical data sheet*

SE40 M1-MELAMINE Elasto-Cell is a light and flexible melamine foam, which is appreciated for its acoustic absorption qualities (open cell structure), as well as for its chemical agent and M1 fire resistance (non- flammable product).

Because it is light, easy to cut and aesthetically pleasing, it can be considered as a prime reference in the building sector, as well as in the industrial environment.

<b>Structure:</b>	White grey melamine	
<b>Density:</b>	8 up to 11 Kg/m <sup>3</sup>	IN ISO 845
<b>Compression pressure 10 %:</b>	4-20 KPa	DIN 53421
<b>Traction resistance:</b>	120 à 180 KPa	ISO 1798
<b>Elongation at break:</b>	16 à 29 %	ISO 1798
<b>Thermal conductivity:</b>	≤0.035 W/mK	(λ <sub>10°C</sub> / t = 50 mm)
<b>Continuous use temperature:</b>	180°C ( <u>Foam only</u> )	
<b>Fire behavior:</b>	M1 ( <u>without adhesive</u> ) 94 V-O B1	NF P92-501 UL94 DIN 4102
<b>Sound absorption ratio</b> D=50 mm / f-2,000 Hz D=40 mm / f-2,000 Hz	>90%	DIN 52215 DIN 52212

**SOLUTIONS ELASTOMERES FOAMS:      SYNONYMOUS WITH SIMPLICITY & EFFICIENCY!**



## MELAMINE FOAM SE 40M1-MELAMINE

<b>Material:</b>	White/grey melamine foam	M1 classification ( <u>without adhesive</u> )
<b>Total thickness:</b>	40 mm	
<b>Adhesive:</b>	On one side (easy to lay)	
<b>Average gain*:</b>	Low-pitched (100-400Hz)	= <b>17.21 dB</b>
	Medium (400-2,000Hz)	= <b>37.53 dB</b>
	High-pitched (2,000-10,000Hz)	= <b>49.01 dB</b>

\*Average gain measured (metal plate, thickness 1mm + foam)

**Applications:** everywhere fire behavior and temperature resistance require good performances: public places, heating systems, buildings, roller shutters...

**Key points:** M1 fire classification, lightness (but also fragility)  
Great acoustic efficiency

**Large sizes:** (1,250x1,250mm)  
For 1 box (30 plates): **54.29 €\* per plate**  
For 2 boxes (60 plates): **45.60 €\* per plate**

**Small sizes:** (625x625mm)  
For a box (15 plates): **17.72 €\* per plate**

**Chamfer (optional) 5x5mm = 4.00 €\* for a 1,250x1,250mm plate**  
(on the plates' outline) **2.90 €\* for a 625x625mm plate**



Lateral view (plates with chamfers)



Eye bird's view (4 plates with chamfers)

\*All our tariffs are exclusive of tax