ABSORBENT PANEL

BASMEL®

ATP. BASMEL®
ABSORBENT PANEL

WITHOUT FABRIC

PLATE *with fabric*

WITH FABRIC

MABS *Perforated with fabric*

SC *fabric*

TWIST

BAL60bv

SIDE COVER
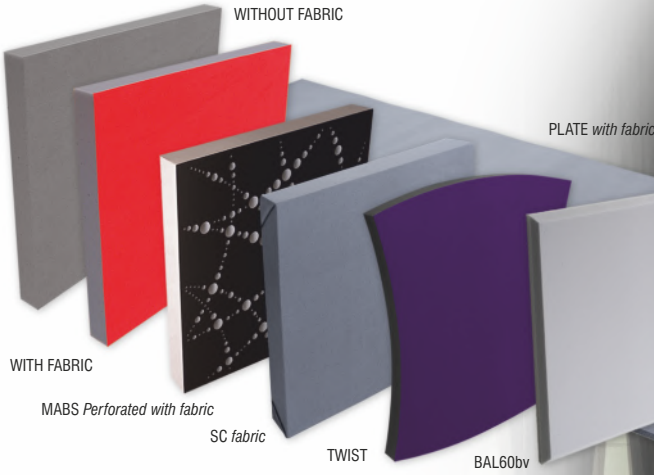
FABRIC ADHESIVE TAPE

BAL060bv

SELF-ADHESIVE

Image of 60x60cm models **Ref.:BAL060 fabric** (Red), **Ref.:BAL060** and **Ref.:BAM060** (perforated with black fabric), the **BAL060sc**, the **BAL200.4 (plate with fabric)**, **BAL060bv** and **Ref.:BAL200.4** custom made applied (ambient image).
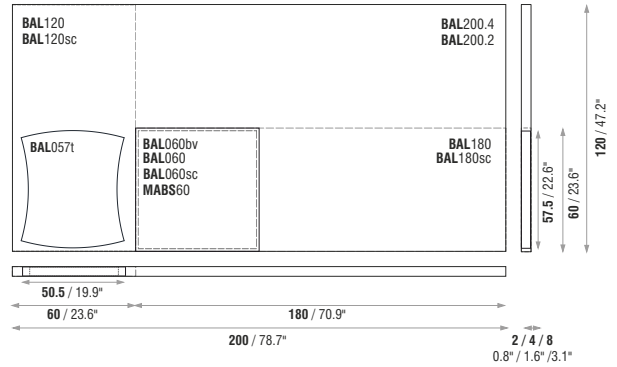
DESCRIPTION

BASMEL® is a low-cost acoustic panel meant to be applied in large quantities on ceilings and walls. It is made of flexible open-cell melamine foam or of regular Acoustic Foam, a thermoset polymer and a fire-resistant fabric finished surface. Melamine foam gives this product an excellent sound absorption capacity; the sound waves penetrate the open-cell structure and dissipate, thus reducing the reflected energy.

BASMEL® is available in foam, fabric or velvet finishing. There are several available options and sizes including; flat sheets of foam, fabric-lined, chamfered edges, velvet finish and (MABS® 060) with hole punctures, mimicking the pattern of the COSMOS® model.
Is available with self-adhesive backs which allow for a very fast and easy installation. For more information on all the available options check the models and sizes table below.

To cover the union between the panels, we also have, as an option, a roll of self-adhesive fabric tape that can be applied. The BASMEL®'s acoustic and safety characteristics make this product ideal for use as a noise control and sound insulation device in buildings that have demanding fire protection requirements. It improves acoustics and soundproofing, thereby providing safety in accordance with environmental standards.

TECHNICAL DRAWINGS

BAL120
BAL120sc

BAL200.4
BAL200.2

BAL057t

BAL060bv
BAL060
BAL060sc
MABS60

BAL180
BAL180sc

120 / 47.2"

60 / 23.6"

57.5 / 22.6"

50.5 / 19.9"

60 / 23.6"

180 / 70.9"

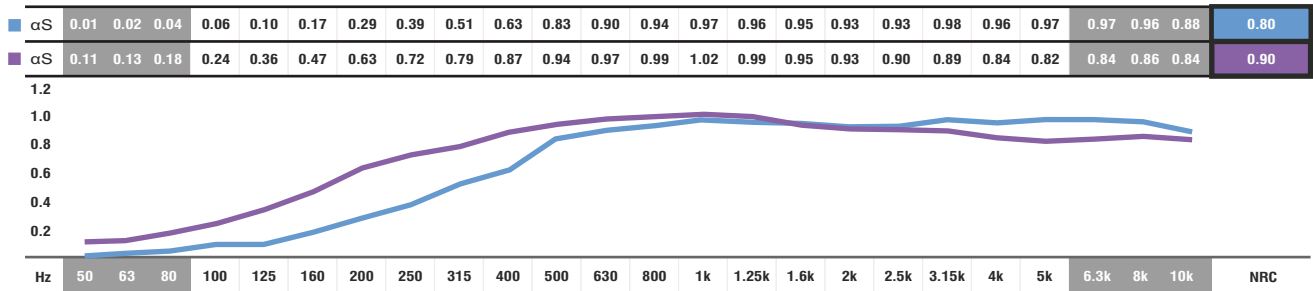200 / 78.7"

2 / 4 / 8
0.8" / 1.6" /3.1"

FEATURES

- Raw material: Melamine Foam or Regular Acoustic Foam.
- NRC: **0.80/m²** (40mm), **0.54/m²** (20mm) and **0.90/m²** (80mm - SIDE COVER Panels).
- **MELAMINE FOAM** - Flame resistance: Euroclass B-s1,d0 (similar to old M1 France, Germany B1,GB class1, USA V0/HF1).
- **ACOUSTIC FOAM** - Flame resistance: Euroclass B-s3,d1 (similar to old M1).
- Mounting glue and **FABRIC ADHESIVE FINISHING TAPE** sold separately.
- **SELF-ADHESIVE** option available on request.

MODELS AND SIZES

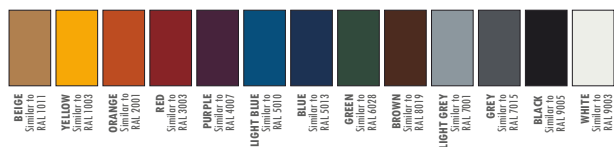| MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
TWT057	57,5 cm (22.6 in)	50,5 cm (19.9 in)	4 cm (1.6 in)	0.3 Kg (0.66 lbs)
BAL180	180 cm (70.9 in)	60 cm (23.6 in)	4 cm (1.6 in)	0.9 Kg (1.98 lbs)
BAL120	120 cm (47.2 in)	60 cm (23.6 in)	4 cm (1.6 in)	0.6 Kg (1.32 lbs)
BAL060	60 cm (23.6 in)	60 cm (23.6 in)	4 cm (1.6 in)	0.3 Kg (0.66 lbs)
BAL200.4/2	200 cm (78.7 in)	120 cm (47.2 in)	4/2 cm (1.6/0.8 in)	2.24 Kg (4.94 lbs)
BAL060bv	60 cm (23.6 in)	60 cm (23.6 in)	4 cm (1.6 in)	0.3 Kg (0.66 lbs)
BAL180sc	180 cm (70.9 in)	60 cm (23.6 in)	8 cm (3.1 in)	1.2 Kg (2.65 lbs)
BAL120sc	120 cm (47.2 in)	60 cm (23.6 in)	8 cm (3.1 in)	0.9 Kg (1.98 lbs)
BAL060sc	60 cm (23.6 in)	60 cm (23.6 in)	8 cm (3.1 in)	0.6 Kg (1.37 lbs)
MABS060	60 cm (23.6 in)	60 cm (23.6 in)	4 cm (1.6 in)	0.21 Kg (0.46 lbs)

ABSORPTION COEFFICIENT

| αS | 0.01 | 0.02 | 0.04 | 0.06 | 0.10 | 0.17 | 0.29 | 0.39 | 0.51 | 0.63 | 0.83 | 0.90 | 0.94 | 0.97 | 0.96 | 0.95 | 0.93 | 0.93 | 0.98 | 0.96 | 0.97 | 0.97 | 0.96 | 0.88 | 0.80 |
| αS | 0.11 | 0.13 | 0.18 | 0.24 | 0.36 | 0.47 | 0.63 | 0.72 | 0.79 | 0.87 | 0.94 | 0.97 | 0.99 | 1.02 | 0.99 | 0.95 | 0.93 | 0.90 | 0.89 | 0.84 | 0.82 | 0.84 | 0.86 | 0.84 | 0.90 |

| | 1.2 1.0 0.8 0.6 0.4 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| Hz | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1k | 1.25k | 1.6k | 2k | 2.5k | 3.15k | 4k | 5k | 6.3k | 8k | 10k | NRC |

■ ■ ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.   ■ Values [<100Hz and > 5K] are Non Standard Values.

STANDARD FABRIC COLOURS

| BEIGE Similar to RAL 1011 | YELLOW Similar to RAL 1003 | ORANGE Similar to RAL 2001 | RED Similar to RAL 3003 | PURPLE Similar to RAL 4007 | LIGHT BLUE Similar to RAL 5010 | BLUE Similar to RAL 5013 | GREEN Similar to RAL 6028 | BROWN Similar to RAL 8019 | LIGHT GREY Similar to RAL 7001 | GREY Similar to RAL 7015 | BLACK Similar to RAL 9005 | WHITE Similar to RAL 9003 |

REGULAR AND MELAMINE FOAM COLOURS AND VELVETY FINISHINGS

| CREAM Regular Foam | GREY Regular Foam | LIGHT GREY Melamine Foam | WHITE Melamine Foam | RED | BLUE | GREY | BEIGE | BLACK | WHITE Only available in Melamine Foam |

IMPORTANT NOTICES

BASMEL® | ABSORBENT PANEL