Diffusion shells are acoustic treatment elements used in large volume rooms, such as theatres and auditoriums, where orchestral concerts or mere recitals take place. The installation of these acoustic diffusion components aims to project the natural sound from the instruments and maintain some liveliness in the room’s acoustics. JOCAVI’s EFFECTFUSER® has been designed at the scale of these needs. It is a large-sized diffuser that provides a very homogeneous diffusion within the diffuse sound spectrum. Due to its shape and depth, the EFFECTFUSER® has a high diffusion coefficient on medium/low frequencies, thus making it more balanced when compared with other diffusers. This piece can be coupled and multiplied in order to suit each room’s project. When mounted, several modules must be grouped in order to obtain a diffusion area that is proportional to each space. They are properly positioned on ceilings or walls in order to obtain sound diffusion at the intended angles.

EFFECTFUSER® may also be used, like any other JOCAVI® diffusion model, in combination with other models of absorption panels.

**FEATURES MODELS AND SIZES**

- Manufactured with recycled ABS.
- Average diffusion: 0.61/m² [>100Hz;<5KHz].
- Fire-resistance: V0 - UL94 standards (similar to M2).
- 100% recyclable.
- Installation: accessories included.

**DIFFUSION - ABSORPTION COEFFICIENT**

| 0.00 | 0.05 | 0.10 | 0.11 | 0.17 | 0.28 | 0.36 | 0.43 | 0.49 | 0.58 | 0.63 | 0.69 | 0.76 | 0.82 | 0.79 | 0.74 | 0.72 | 0.75 | 0.71 | 0.68 | 0.64 | 0.65 | 0.62 | 0.53 | 0.50 | 0.61 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| α5  | 0.00 | 0.01 | 0.02 | 0.08 | 0.10 | 0.18 | 0.26 | 0.15 | 0.12 | 0.13 | 0.14 | 0.16 | 0.16 | 0.20 | 0.26 | 0.24 | 0.27 | 0.31 | 0.35 | 0.35 | 0.37 | 0.30 | 0.31 | 0.21 | 0.20 |
| 1.4 | 1.2  | 1.0  | 0.8  | 0.6  | 0.4  | 0.2  | 0.00 | 0.05 | 0.10 | 0.11 | 0.17 | 0.28 | 0.36 | 0.43 | 0.49 | 0.58 | 0.63 | 0.69 | 0.76 | 0.82 | 0.79 | 0.74 | 0.72 | 0.75 | 0.71 | 0.68 | 0.64 | 0.65 | 0.62 | 0.53 | 0.50 | 0.61 |

**STANDARD ABS COLOURS**

- **YELLOW** Similar to RAL 1023
- **ORANGE** Similar to RAL 2004
- **RED** Similar to RAL 3000
- **GREEN** Similar to RAL 6020
- **BLUE** Similar to RAL 5010
- **PURPLE** Similar to RAL 4005
- **LILAC** Similar to RAL 6060
- **BROWN** Similar to RAL 8017
- **CREAM** Similar to RAL 1001
- **BLACK** Similar to RAL 9005
- **WHITE** Similar to RAL 9003

**IMPORTANT NOTICES**

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice. If technical or commercial reasons so require.
- RAL is an international independent colour standard system partner for industry, trade, architecture and design. Should be consulted before placing any order.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material supplier’s changes and extra differences may appear in visual sense.
- Sizes may vary slightly due to their production method and some inherent raw-material characteristics.

**DIFFUSION PANEL (on the left) and 180x120cm Ref.: EFXCOMBI (ambient image).**