JOCAVI® has developed this acoustic diffusion panel by using non-linear convex shapes, based on a set of three ellipses which were later altered and optimised in order to achieve an oval shape with better angular diffusion coverage.

The external raw material of this panel was selected out of some materials that have the fastest and most specific properties required for a diffuser with these characteristics. However, the ABS still has some advantages, namely UV protection, impact resistance and fire resistance M2.

The DYNAMICFLOW®'s interior is composed of a substance made of impregnated mineral fibres and textiles, which gives this product a specific mass and also contributes to its consistence. The back part consists of an even surface. Its shape adjusts to even surfaces. It can be used on "T" profile false ceilings or on walls, by using our glues or fastening materials.

**FEATURES**

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

**DIFFUSION - ABSORPTION COEFFICIENT**

| Hz   | 50 | 60 | 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 |
|------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| αS   | 0.00| 0.00| 0.00| 0.11| 0.14| 0.16| 0.19| 0.21| 0.24| 0.28| 0.32| 0.33| 0.37| 0.44| 0.47| 0.54| 0.58| 0.61| 0.68| 0.73| 0.74| 0.77| 0.77|
| S    | 0.07| 0.15| 0.26| 0.31| 0.34| 0.35| 0.37| 0.44| 0.47| 0.54| 0.58| 0.61| 0.68| 0.73| 0.74| 0.77| 0.77| 0.81| 0.79| 0.82| 0.83| 0.83| 0.79| 0.68|

**DIFFUSION COEFFICIENT**: These values were obtained by mathematical calculations and tests carried out in our laboratory.

**ABSORPTION COEFFICIENT**: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.

**VALUES**: | <100Hz and > 5K| are Non Standard Values.

**STANDARD ABS COLOURS**

- **YELLOW**: Similar to RAL 9001
- **ORANGE**: Similar to RAL 2004
- **RED**: Similar to RAL 3003
- **GREEN**: Similar to RAL 6009
- **BLUE**: Similar to RAL 5013
- **PURPLE**: Similar to RAL 4005
- **LILAC**: Similar to RAL 4002
- **BROWN**: Similar to RAL 8012
- **CREAM**: Similar to RAL 1015
- **BLACK**: Similar to RAL 9005
- **LIGHT GREY**: Similar to RAL 7042
- **WHITE**: Similar to RAL 9010

**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 the catalogue are only a reference and an illustration of the product's 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 some differences may occur in total range.
- The data presented is subject to 1% tolerance. All values have a deviation of less than 8%. These would be considered as normal operational levels of JOCAVI® product's range.
- Values may vary slightly due to their production method and some inherent raw-material characteristics.