

# BIOACOUSTIC 75008

## TECHNICAL DATA SHEET

Sound absorbing substrate under screeds beds and floating floors, masonry and plasterboard walls, false ceilings and doors. Resistant to high and low temperatures. Excellent mechanical, thermal and chemical resistance to humidity and oils.



## PRODUCT CHARACTERISTICS

**Material:** Recycled fine rubber granules bonded with PU binder

|                                         |          |                        |
|-----------------------------------------|----------|------------------------|
| <b>Colour</b>                           | Black    |                        |
| <b>Density</b><br>kg/m <sup>3</sup>     | 750 ± 5% | DIN EN ISO 845         |
| <b>Thickness</b><br>mm                  | 8 ± 5%   | DIN 53534              |
| <b>Roll length</b><br>m                 | 5        | or according to demand |
| <b>Roll width</b><br>m                  | 1.20     |                        |
| <b>Roll area</b><br>m <sup>2</sup>      | 6.00     |                        |
| <b>Area weight</b><br>kg/m <sup>2</sup> | 6.00     |                        |

## ACOUSTIC PERFORMANCES

|                                                                 |    |             |
|-----------------------------------------------------------------|----|-------------|
| <b>Sound Insulation</b><br>$\Delta L_w$ (dB)                    | 24 | ISO 10140-3 |
| <b>Resonance Frequency</b><br>$f_0$ (Hz)                        | 71 | ISO 10140-3 |
| <b>Apparent Dynamic Rigidity</b><br>$s'_t$ (MN/m <sup>3</sup> ) | 38 | ISO 10140-3 |



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## THERMAL PERFORMANCES

|                                          |       |                   |
|------------------------------------------|-------|-------------------|
| <b>Thermal Conductivity</b><br>$\lambda$ | 0.12  | UNI EN 12667:2002 |
| <b>Thermal Resistance</b><br>R           | 0.065 | UNI EN 12667:2002 |
| <b>Thermal Transmission</b><br>U         | 15.38 | UNI EN 12667:2002 |

## MECHANICAL PERFORMANCES

|                                               |                |             |
|-----------------------------------------------|----------------|-------------|
| <b>Tensile strength.</b><br>N/mm <sup>2</sup> | 0.30           | EN ISO 1798 |
| <b>Elongation at break</b><br>min%            | 28             | EN ISO 1798 |
| <b>Temperature range</b><br>°C                | -30° to +80° C |             |
| <b>Fire Rating</b>                            | B2             |             |
| <b>Shore A Hardness</b>                       | 50             |             |

## HEALTH PROTECTION

|                            |           |              |
|----------------------------|-----------|--------------|
| <b>VOC Emission Rating</b> | A+        | DIN EN 16516 |
| <b>Nitrosamine</b>         | compliant | DIK Method   |
| <b>PAH</b>                 | compliant | DIN EN 18287 |

## PACKAGING

|                                          |             |
|------------------------------------------|-------------|
| <b>Pallet dimension</b><br>cm x cm x cm  | 120x120x120 |
| <b>Rolls per Pallet</b><br>pieces        | 25          |
| <b>Weight per Pallet</b><br>kg           | 900         |
| <b>Area per pallet</b><br>m <sup>2</sup> | 150         |

All data values are provided by internal control system.

