

## SOUND INSULATION PANELS



## Use

Sound insulation panels can be installed along high-traffic roads and railways or in industrial facilities with noisy production activity and generally in construction-industrial projects.

## Benefits

- High sound insulation and absorption.
- Prevent the spread of fire
- High resistance to wind and weather
- Durability over time. No aesthetic changes due to aging.
- Ease of construction, assembly and maintenance.
- Ability to integrate different types of panels.
- Possibility of color configuration through a wide range of RAL colors.

## Acoustic performance

Reference standards – sound absorption and sound insulation.



## Structure of sound insulation panel



The sound insulation panels consist of two metal plates assembled with a joint without screws. The steel sheet with special corrosion protection is electrostatically painted and resistant to atmospheric conditions. The sound function barrier is provided by the inner core with a special sound absorbing material 70mm thick and  $70\text{kg/m}^3$ . The rear panel provides sound reduction while the front is perforated 36% and helps absorb sound.



## Installation

The installation is done in special poles from HEA120mm profiles, which are placed in concrete directly or by using special bases. For areas with heavy snowfall it is desirable to use an additional special protective concrete base. The resistance calculation and dimensioning should be performed by a specified specialist in the country of installation.



## Compliance with specifications

The sound proofing panels have the CE conformity mark and are certified according to the standards EN 1793 / EN 1794 and EN 14388, respectively, for the minimum performance values: DLY 20Db, DLRY 27Db.



## Typical dimensions

- High 500mm
- Length between 1960 and 4960mm, depending on the needs of the project.
- Thickness 92 – 94mm
- Specific weight 24kg/m<sup>2</sup>