

Technical description

The **Metagreen sound absorbing panel**, designed for the construction of noise screens, consists of a galvanised steel frame, rock wool as absorbing material and a foil as insulating material, together with a green plastic mesh that facilitates the growth of vegetation on both sides.

The panel components are supplied separately to be assembled on site.

Advantages

Ecological and natural looking screening system that provides an **integrated aesthetic on pathways**, with or without plants.

Helps to create an attractive natural fence for **homes or gardens**.

Metal acoustic panel with mesh that allows **climbing plants to grow**.

The technical characteristics of the METAGREEN plant panel achieve an **excellent acoustic insulating and absorbing effect**.

Components

STEEL FRAME

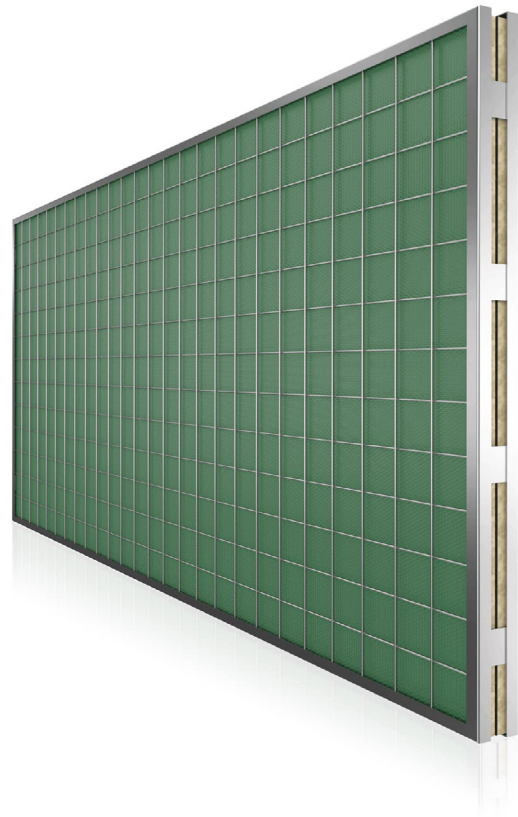
Metal profile frame with 150x150 electrowelded mesh with Ø5mm wires, hot-dip galvanised according to UNE EN 1461 standard.

HDPE MESH

High-density polyethylene mesh in green to facilitate the growth of vegetation.

SOUND INSULATION

2 semi-rigid rock wool panels, with black protective veil. Thickness 50 and 50 mm. Density 70 kg/m³. Non-hydrophilic to water. Non-combustible in fire.



Dimensions (mm)

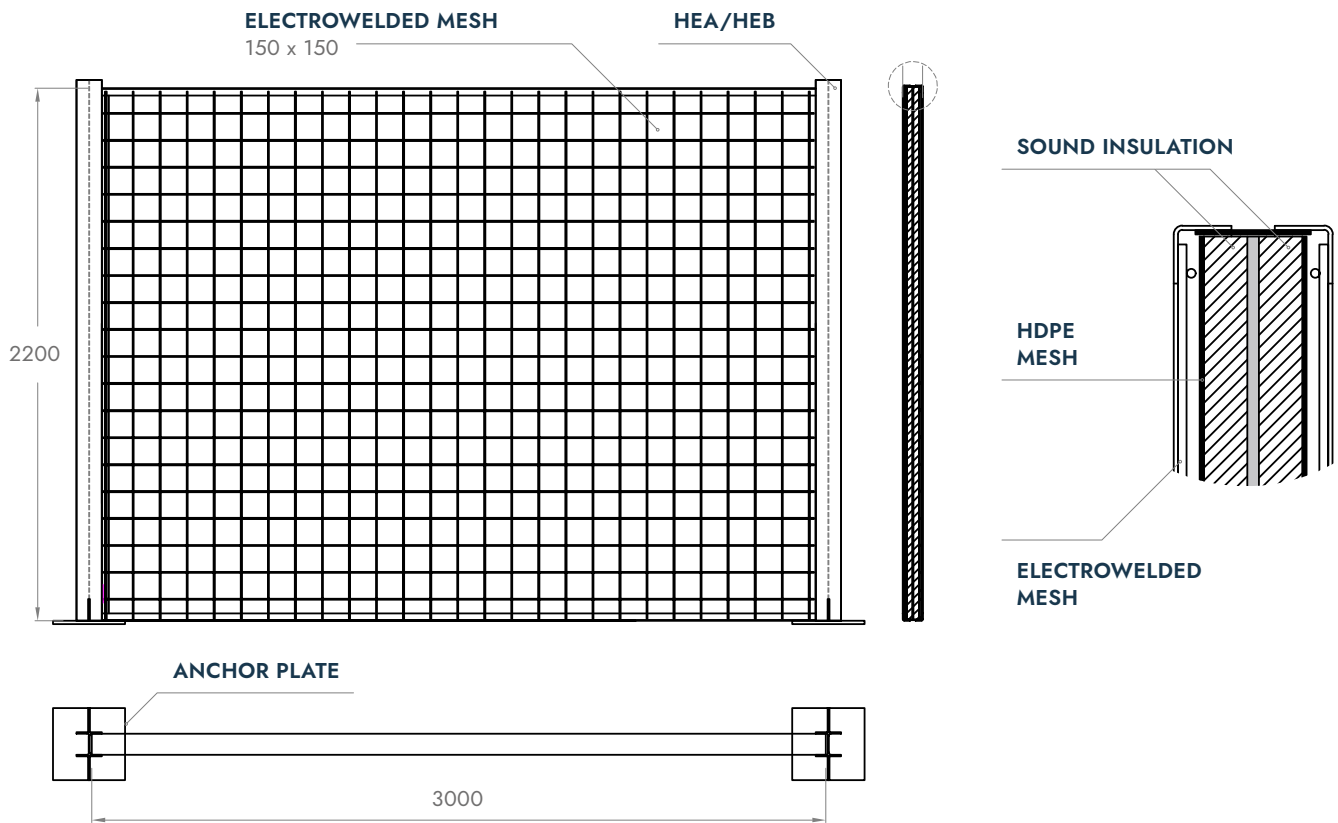
High	Width	Length
Variable (up to 2200)	110 - 128	Variable (optimum 3000)

Acoustic properties

Sound absorption index (DL_a) According to standard UNE-EN 1793-1	13 dB
Sound insulation index (DL_R) According to the UNE-EN 1793-2 standard.	26 dB
Sound reduction index (R_w) According to standard UNE EN 717-1	30 dB

Metagreen Panel - Sound barrier

TECHNICAL DATA



Anchors and foundations

ANCHORS

Fixing to the structure by means of base plate with mechanical or chemical bolts or embedded anchor plate according to Eurocode 2, part 4: EN 1992-4, depending on the requirements of the individual project.

FOUNDATIONS

The panels are supported by steel posts, type HEB or HEA of quality S275JR, galvanised and thermo-lacquered, anchored to a foundation dimensioned in accordance with the Guide for foundations in road works and wind actions established in the UNE-EN 1991-1-4:2018 standard. Types of foundations in soil:

