STAINLESS STEEL BARRIER

Supply and installation of an anti-noise, soundproofing barrier with painted stainless steel sheet panels consisting of the following:

- support structure made from galvanised and painted steel or Corten steel, with minimum mechanical requirements as stated in S235JR specifications (formerly Fe 360 B) according to the *EN 10027-1* standard.
  A protective paint treatment will be carried out, so that the minimum thickness of the local protective layer, including the galvanising thickness, is at least 200 µm which allows a pore-free surface to be obtained.
  The supporting structural metalwork consists of type HE metal profiles welded to a suitable base plate pre-drilled to have 4 holes for anchoring to the reinforced concrete edge via anchor bolts/threaded bars and complete with any required stiffeners/gusset plates

- box-section, sound insulating metal (category B3 according to the *UNI EN 1793-2: 1999* standard) and sound absorbing panels (category A4 according to the *UNI EN 1793-1:1999* standard) made from painted stainelss steel sheeting (RAL table colour) with a minimum thickness of 12/10 mm, consisting of a front perforated metal half-shell (on the noise side) with a perforation percentage not below 30%, internal sound-absorbent rock wool blanket with minimum density 90 kg/m^3 protected by a glass fibre film on one side, solid metal half-shell on the rear side (receiver side), and suitable side closure ends.
  Rated dimensions of a standard panel 3.00 x 0.50 m.

- assembly including 4 anchor bolts/threaded bars suitably dimensioned for base plate anchoring to the reinforced concrete edge made from hot galvanised steel, class 8.8.

The price includes and compensates all kinds of charges, material transport and handling, supply and installation of all supporting structures, panels, gaskets, nuts and bolts, metal fixings and whatever else is necessary to ensure perfect workmanship in compliance with tender specifications. Foundation works are not included.