

PMMA BARRIER

Supply and installation of an anti-noise, soundproofing barrier with PMMA (polymethylmetachrylate) 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.
Immersion hot galvanising will be carried out in compliance with *UNI EN ISO 1461* to a thickness not below 85 µm (after SA 2112 sand blasting or chemical pickling). After galvanising, an additional protective paint finish 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
- sound insulating panels (category B3 according to the *UNI EN 1793-2: 1999* standard) made of transparent, colourless extruded PMMA sheets with a minimum thickness of 15 mm complete with suitable gaskets to be fitted in the special pultrusion-moulded channels.
- 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.